

June 27-29, 2023

Speaker Bios



Mohamed Abdel Metaal, Technical Product Manager, *Deutsche Telekom*

Meet Mohamed, a product manager and tech enthusiast with a passion for data-driven solutions. With a proven track record of leading RDK telemetry for Deutsche Telekom across various WAN technologies, he is focused not only on data collection but also leveraging data insights to support business decisions for stakeholders. He has a keen eye for detail and has been instrumental in using telemetry data for reactive/proactive maintenance of RDK-B routers through data analysis, visualization, and machine learning. Prior to this, he has also driven home experience products, aiming to deliver a seamless and converged customer experience by combining various services accessible from the comfort of their homes.



JP Abello, Director of Product Management, *Comcast*

JP leads Product Management for the RDK Video middleware core capabilities at Comcast. As part of a collaboration with RDK Management, JP also oversees the development of an RDK Hardware Porting Kit for scaling open source RDK bring-ups and integrations with OEMs and SOC vendors.



Glee Abraham, Head of Technical Operations & Engineering, *RDK*

Glee oversees RDK Technology Operations & Engineering including maintenance of wiki, code management, contributions, compliance, validation, releases, documentation, technical support & training. A part of the RDK team since 2013, Glee also oversees the engineering efforts to develop test tools, reference platforms and the pre-integrations of RDK.



Jonathan Abrahamson, Chief Product and Digital Officer, *Deutsche Telekom*

Jonathan is working as Chief Product and Digital Officer in the Technology and Innovation area at Deutsche Telekom. He drives Telekom's Innovation Department, scaling Digital and Product Development across the European footprint (9 National Companies) and Telekom Deutschland (German operations). He holds the ownership of strategy and execution for digital and telco products for all Deutsche Telekom operations in Europe.

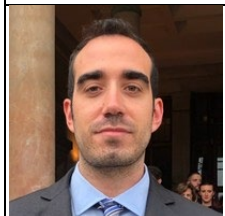


Ganesh Achuthan, VP Software Engineering, *Amlogic*



Sanchar Banerjee, Software Architect, *Deutsche Telekom*

Sanchar comes with 8+ years of experience in RDK-B while working for Comcast, Liberty Global and Deutsche Telekom along the way. He is focused on improving and extending RDK-B architecture in generic and modularized structure. Sanchar extended the WAN management ecosystem of RDK-B by updating xDSL, GPON, PPP architecture and made it configurable as per operator's requirement. He aims to standardize DHCP and QoS management in RDK-B along with supporting FWA technology.



Damiano Barone, Senior Software Engineer, *Sky*

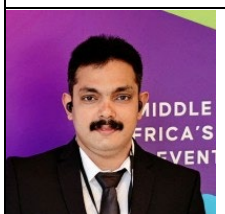
Damiano is a senior software engineer at SKY, with extensive expertise in low layers such as embedded systems and the Internet of Things. Currently serving as the Bluetooth squad lead, Damiano holds a MSc degree in Computer Engineering and has worked extensively with TelcoVoIP and Wifi technologies. In this role, Damiano developed embedded devices that utilise Bluetooth technology and contributed to addressing Bluetooth audio-related issues. Additionally, Damiano

leads the innovation team at SKY and which works on bringing proof of concept and new product ideas to life. It has produced LED manager and Battery manager RDK components.



Praveen Biddappa Appachanda, Head of Software, Next Gen Video Products, *Sky*

Experienced, energetic and enthusiastic Senior Product Delivery Head. Instrumental in Concept, Design, POC, Process, Metrics, Productization, Stakeholder and Vendor management for quality and on-time delivery. Some of recent deliveries include RDK-V and Device SW for Sky Glass TV, XClass TV, Q STB, Sky Soundbox. Last 3 years leading Sky Device SW team on RDK-V TV extension development, delivery and Open Source initiatives for Sky Glass and XClass TV.



Arun Bhargavan, Delivery Head – Media and Entertainment, *Tata Elxsi*

Arun currently heads the Media and entertainment deliveries of Tata Elxsi. He has been in the Media and communication industry for more than 17 years, as architect and lead developer for large scale embedded and multimedia systems, architecting system integration process for various Video delivery systems. He has worked as a solution architect and consultant for RDK programs and enabled integration and content aggregation with multiple stakeholders using multi-tenant systems. He has specialization in scaling OTT platforms and establishing automation initiatives to back up digital transformation. He is an Evangelist for automation transformations through hyper automation, and has established test automation transformations, RPA and BPA to enable cost optimization and efficiency.



Bart Catrysse, Chief Architect Video CPE Software, *Liberty Global*

At Liberty Global, Bart leads the Architects team responsible for the STB software architecture, its evolution and new feature designs impacting the RDK OS, middleware and OTT apps. That software serves the TV customers of Sunrise UPC (Switzerland), Telenet (Belgium), Virgin Media O2 (UK & Ireland), VodafoneZiggo (NL) and UPC Poland and is updated frequently.

Bart also coordinates Liberty's collaborative development & upstream activities with the RDK-V community and RDK Management and leads an upstream development team.

Bart comes from Telenet, Belgium's leading cable operator part of Liberty Global, where he was engineering lead for STB hardware, middleware & Video Services development for over 10 years. And before that pio/engineering Docsis and PacketCable modems and Telenet's Internet backbone network.



Jos Delbar, Head of Product Management & Data, Airties

Jos oversees Airties's Smart Wi-Fi roadmap encompassing cloud, embedded, mobile and data analytics software and services. He is a strong supporter of aligning with open industry standards like RDK and EasyMesh to improve time to market and create more room for innovation. This has culminated in Airties's contribution of the EasyMesh Controller to RDK-B. Jos first learned about RDK at his previous position at Technicolor Connected Home, where he was responsible for the residential gateway software roadmap. Jos has a background in embedded systems engineering and has almost 20 years of experience working in the technology sector.



José Ramon Diaz Martínez, Director, Solution Architecture, RDK

Jose Ramon joined the RDK team as Director of Solution Architecture in 2021, where he is working with our broadband partners to create common technical solutions for the RDK-B community and providing guidance in the design and evolution of RDK-B, that will facilitate the adoption of new services.

Over the last 20 years Jose Ramon has held relevant technical positions in companies such as Siemens, Nokia, Alcatel-Lucent and Tele2 where he was designing, developing, and deploying solutions in mobile, access, core, and triple play networks. Most recently Jose Ramon was working as RDK-B Software Architect at Liberty Global for the last five years before joining the RDK team.



Sanjay Dwivedi, Executive Director, Gateway Software Development and Engineering, Comcast

Sanjay Dwivedi is the Executive Director of Gateway Software Development and Engineering at Comcast, where he oversees software development for residential and commercial broadband gateways and extenders. He played a pivotal role as one of the early members in the development of RDKB and joined Comcast as a Senior Director in 2012.



Michael Estrin, Co-founder and CTO, LEVL Technologies

At LEVL we develop the next-gen device intelligence technology. Leveraging all layers of the communication stack, including the physical layers, to bring a privacy-friendly method to discover, identify and verify all devices on the network.



Nuno Faria, TV UI Development Team Leader, NOS Inovação

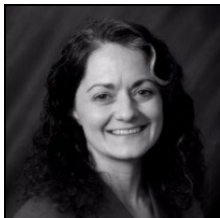
Nuno is actively engaged in TV UI development, specifically for UMA, the premium set-top-box solution from NOS.

Having joined the UMA project from its initial days and currently heading the TV UI development team, there is still room for research and development on additional subjects such as IoT, blockchain and 3D printing.



Michael Fiess, Distinguished Engineer, RDK Video, Comcast

Michael is a software architect and engineer on the RDK Video team at Comcast, and his focus is contributing to and leading software initiatives on the RDK Video platform. He has a strong background in embedded software development and computer graphics.



Connie Fry, Distinguished Engineer, Comcast

Connie is a Distinguished Engineer in Comcast's TPX organization. She has been with Comcast for over 20 years, during which time she has worked on early Interactive and Enhanced Television projects, legacy cloud, legacy client, DTA, and RDK-based devices. She is a named inventor on the industry adopted CableLabs EBIF standard and was an active member of that working group. Before joining the RDK Telemetry 2.0 efforts, Connie helped lead the Spark Open Source project, the application engine that preceded the adoption of the RDK Lightning Framework.



Giuseppe Galeone, Head of Broadband Product Management, Sky Italia

Giuseppe started his professional career in 2004 in Altran as testing Engineer. In 2005, he joined Sky Italia as STB specialist, then in 2008, was promoted to DVB Platform Testing and Field Monitoring Systems Architect. In 2012 he became a Platform Testing & New Solution Development Manager, which a focus on integrating and validating the e2e technical projects in the TV domain. In 2013, he moved to Solution Architecture Advisory & E2E Business Validation Manager for key projects, such as PVR, HD, On Demand, Sky Go, and NowTV. In 2017, he became Head of TV E2E Architecture & Validation, where he was responsible for the e2e analysis, architecture, and validation of cross functional projects in Sky Italy, such as Q. That same year he registered the patent "Monitoring of user terminals suitable for receiving signals from communication networks". He joined the Sky Wifi team in 2018 as Head of Broadband Product Management, responsible for analysis, architecture and validation for Broadband e2e technical projects and products delivery, such as CPE, ONTs, extenders and the Sky Wifi App.



Kartik Gohil, Architect, Sky

Kartik is an alumnus of Imperial College London with a Masters in Electrical & Electronic Engineering. With 5 years' experience in embedded software for Sky Broadband Routers, his focus is on improving RDK-B architecture to support upcoming technologies. Kartik designed the new WAN management architecture for RDK-B and has added support for XDSL, GPON, LTE, PPP, and MAP-T to RDK-B.



Asad Haque, Executive Director, Security Architecture, Comcast

Asad Haque has over twenty-five (25) years of progressive responsibilities in Information Security Architecture, specializing in @scale security of IoT and embedded devices and system API's to protect and preserve user privacy. Designed Blockchain based decentralized and autonomous authentication and authorization for constrained devices. He possesses extensive hands-on experience as a Chief Application and Network Architect, including experience in systems management, information security, software development, large secure network (TCP/IP) design and deployment, departmental oversight and management.

Over last 2 ½ years, he has also been actively involved with Matter protocol. As a founding original member of Matter, he has contributed many design concepts, specifications, and implementations. He sits on Matter Steering Committee and chairs CSA's Security Advisory Group. He also leads Matter Decentralized and Distributed Compliance Ledger team that is developing blockchain based ledger to provide device provenance, certification status and important commissioning and operating parameters.



Bilal Hatipoglu, Principal Software Architect, Airties

Bilal Hatipoglu is a Principal Software Architect at Airties, with over 15 years of experience in Wi-Fi, Networking and Embedded Systems.

At Airties, he is architecting the integration of Airties' Smart Wi-Fi solutions. His current focus is the integration of Airties Edge Software, which is an EasyMesh-based operator-grade Smart Wi-Fi solution, with a variety of platforms such as RDK-B. He works on all aspects to make important technical decisions

that affect new Airties products/features and customer integrations. He closely follows developments in standard bodies such as BBF, WBA and WFA and open-source initiatives like RDK and prplFoundation. He is also actively involved in emerging technologies and market trends.

He has a M.Sc. degree in Computer Engineering and has obtained 4 patents in the area of mesh networking.



Sophie Ingram, RDK Quality Assurance & Testing Lead, *Deutsche Telekom*

Sophie leads the Quality Assurance team for Deutsche Telekom's RDK Broadband Development, encompassing areas such as Test Automation, Lab Infrastructure and Test Methodology. Her primary focus is enabling scaled test environments to allow an efficient and effective DevQA process. She has previously led testing teams for Gateway and Mesh Devices at another MSO, focusing on Functional, Performance and Interoperability test areas.



Labeeb Ismail, Senior Vice President, Global Devices Software, *Comcast/Sky*

Labeeb Ismail serves as Senior Vice President of Global Devices software for Comcast and Sky. In this capacity, Labeeb manages software development, test and ops for all Comcast and Sky customer premise devices including TVs, set-top boxes, modems, broadband gateways, WiFi extenders, sensors, touchscreens and voice remotes. Labeeb is one of the early members of the team that created X1. He led the program within Comcast to build and deploy RDK across all

Comcast devices. He also worked with the operator and vendor community to open source RDK. RDK community now has over 500 members and over 100 million deployments. Labeeb joined Comcast in 2005 as Vice President of Engineering for the TVWorks group.

Prior to joining Comcast, Labeeb worked as Vice President of Technology at Liberate Inc. During his tenure at Liberate, Labeeb lead technology development for OnRamp, a Java based operating system for set-top boxes, and the DVR module for TVNavigator. Prior to joining Liberate, Labeeb worked as the CTO of Metabyte Networks, a company that he cofounded to build DVR, personalization, and ad targeting technologies. Prior to that Labeeb worked as a software consultant for companies like LSI Logic, OpenTV, Gemstar and Intel.

Labeeb holds a Bachelor of Technology in Computer Engineering from REC Calicut in India (now NITC). Labeeb is a key technical contributor for many innovations in device operating systems and cloud technology for management of devices. He is listed as an inventor for over 30 US patents.



Jesper Kaagaard, Director of Engineering, *Sky Labs Aalborg*

Jesper has an M.Sc.EE in Computer Science and has worked with consumer electronics and broadcast technology for +20 years.



Ujjwal Kumar, CPE Software Architect and RDK-B Developer, *Vodafone*

Ujjwal has 7 years of experience in design and development of embedded software for communication products.

He has deep technical expertise on developing and customizing RDK-B software stack for gateways, as well as extensive knowledge on Wi-Fi, networking and integration of services in Gateways. He has worked for system Integrator supporting ODMs and operators to successfully

launch new Gateways across Europe and US.

Ujjwal joined the Vodafone RDK-B development Team as CPE Software Architect in 2021 and focused on development of a Software platform for Vodafone Gigahub CPEs. He is working closely together with the system integrator and the CPE engineering teams. He is also working with RDK community to align new RDK-B features such as WAN manager and Automatics.



Jeremy LaCivita, Director, Apps Platform Architecture, *Comcast*



Federico Lazzarin, Senior Manager, Broadband Product and Service Innovation, *Sky Italia*

Federico started his professional career in the 90's as a software engineer in Dublin, developing one of the first systems to multiplex conditional access information in a MPEG-2 transport streams. He then moved to project management, developing a passion for "iterative" development principles and of course Agile when the Manifesto was published in 2001. Returning

to Italy for Sky, Federico led the projects that delivered the first satellite HD set top box and the first HD DVR to the market.

Many innovative projects followed: In 2015 he joined V-Nova in London leading the projects to deliver the innovative MPEG-5 Part 2 LCEVC video solutions for steaming, broadcasting, and military applications. In 2020, Federico joined the Sky Italia broadband team to lead the value streams that continuously deliver new products and services to customers. He is also responsible for defining the product and service roadmap with the Sky Group and Comcast stakeholders. He is passionate about inclusion and promotes initiatives to make Sky products more accessible.

Federico loves being surrendered by nature, living in a village in the Italian Alps, and loves hiking in the summer and skiing in the winter.



Augusto Mainardi, Software Engineer, *Sky*

Augusto has a degree in Electrical and Electronics Engineering with a Master's in Robotics. He has 11 years of experience designing and implementing solutions for various embedded products, mainly in the telecommunications area.

Augusto has been working at Sky Home Comms since 2020 with focus on improving the Wan management solution on RDK-B devices.



Paul Martin, CEO, *Ocean Blue Software*



Nuno Martins, Principal Software Systems Engineer for Home Gateways, *NOS Inovação*

Nuno Martins is a principal engineer on the Home Gateways development team for the RDK-B projects. He participated in European Research projects (ULoop, TIMBUS) and is currently on MIRAI. Martins received his Msc Software Engineering degree, focused on network and distributed computing, from Nova University of Lisbon, Portugal. Aside from his work at NOS on the Home Gateways, other areas of interest are Cybersecurity, IoT solutions, and piloting small drones.



Gilberto Mayor, CEO, Beegol

Gilberto is the Co- Founder and CEO of Beegol Machine Learning. He has over 20 years' experience in the Telecom industry, and is a former McKinsey and Accenture consultant. He has a PhD in Computer Engineering from USC. Gilberto has published more than 12 papers on Computer Networks, received 2 US patents, and is actively working on broadband diagnostic and self-healing using artificial intelligence.



Endika Miragaya, Sr. Technology Manager for Home Devices Software, Vodafone

Endika graduated with a Physics degree and has 20+ years' experience in developing products and solutions for Telco companies, both for mobile and recently on fixed networks. He is currently leading the architecture and development of the Software stack for home gateways at Vodafone.



Shashank Nanjundaswamy, Head of Department – RDK-B Software Engineering, Sky

Shashank has 18 years of industry experience, including 9 years with Sky. He manages new Broadband product development, new feature development, and deployed product support. He also manages architecture and implementation in RDK-B.

Shashank leads collaboration efforts with the RDK-B community for joint development of new features and works closely with SoC vendors for architecture and HAL support.



Sachin Narang, Lead Engineer, System Analyst and Solution Designer, Deutsche Telekom Digital Labs

Sachin Narang has 10 years of software development experience in designing and developing scalable enterprise level software architectures using Java, Golang, and cloud technologies. Sachin has been working at Deutsche Telekom Digital Labs since 2020, with a focus on improving the customer experience by making use of RDK-B. He is actively collaborating with Comcast on XMIDT/

WebPA.



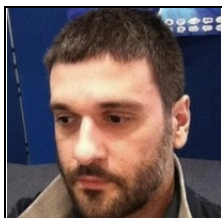
Naveen Babu Narayanan Nair, Director, Software Development and Engineering, Comcast

Naveen works as a Director in Comcast who leads the CPE/RDK test automation team. His team is responsible for automation development, automation execution, tools, frameworks, dashboards, and analytics under CPE Product delivery QA organization. He has been associated with the RDK team from its early days and played a critical role in bringing Comcast CPE QA organization into an automation driven QA organization by bringing in a holistic scalable automation strategy to support 7000+ devices under test across functional, stress, stability, and performance testing.



Anil Varma Pakalapati, Solutions Architect, Deutsche Telekom

Anil is an architect with around 20 years of experience developing embedded products in various domains. He started his career in platform firmware development, and over the span of 20 years worked on kernel, middleware and application development for embedded products in automotive, media and networking. Anil is presently working as a solution architect in the RDK-Factory team of Deutsche Telekom, primarily focusing on enabling Cellular as an access technology in Deutsche Telekom broadband products.



Michael Pantazoglou, Software Architect/Engineer, *OceanBlue Software*

Michael is a software architect for OBS. His work mainly focuses on architectural product design involving embedded browser and middleware components on top of the RDK-V stack, targeting STB and smart TV devices. He has more than 20 years of experience in software engineering, having worked previously with both the academia and private sector companies. Michael holds a PhD in Computer Science.



Kevin Pearson, Distinguished Engineer, *Comcast*

Kevin Pearson is a Distinguished Engineer who has been a lead for the Comcast Apps Platform on many entertainment platforms from X1, Flex, XumoTV and most recently EntertainmentOS and the Xumo Stream Box. Kevin is an architect for the Firebolt specification, publishing API specifications that are used across the app footprint for these entertainment platforms. Kevin is also an architect and developer for the embedded native component, Ripple, which implements the Firebolt specification for devices deployed in RDK.



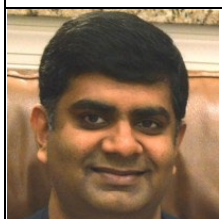
Jacob Pedersen, Director of Operations, *Sky Labs Aalborg*

Jacob was one of the cofounders of Futarque (now Sky Labs Aalborg) in 2001. Futarque developed TV and set top box solutions for large international companies until it was acquisitioned by Sky/Comcast in 2019. Sky Labs Aalborg has since then ported their MediaRite set top box and tv stack to RDK, and it is now used in various Sky and Comcast products.



Khem Raj, Fellow, *Comcast*

Khem Raj is a Technical Fellow and Linux System architect at Comcast, helping several open source initiatives within the company: He is guiding the company's adoption of open source software, and becoming an active contributor to the open source components used in the RDK settop software stack. He is also actively working on making the RDK community adopt the RDK framework for future TV and settop devices and broadband gateways. He is a Yocto Project advisory board member, and member of the technical steering Committee for the Yocto project. He is core maintainer for several key pieces in OpenEmbedded framework, including core metadata, toolchains, and SDKs. Prior to Comcast, Khem helped Juniper migrate the Junos operating system to use embedded Linux as the base operating system.



Anil Ravuru, Senior Director, Video Streaming Devices and Smart TVs, *Comcast*



Florian Scheiber, Product Lead, Connectivity Experience & Innovation, *Deutsche Telekom*

Florian Scheiber works for Deutsche Telekom Group heading one of DTs key innovation initiatives around broadband product evolution and customer experience. Florian has more than 10 years of experience in the communications sector, having worked primarily in various product leadership roles around connectivity and customer experience. He works closely with DTs RDK-Factory team in shaping the roadmap for RDK-B based customer facing innovation.

**Weston Schmidt, Senior Director of Engineering, Comcast**

Weston Schmidt has been in the interactive broadband space for over 22 years and has an interesting spectrum of software development experiences. Ranging from CPE "protocol adapters" to fully interactive ultra-low bandwidth TV applications, and to large, fault-tolerant, high-availability cloud native services scaling to over 3 million requests per second, he has accumulated a diverse variety of knowledge. He is a graduate of Purdue University College of Engineering with a

B.S. Computer Engineering. Generally, Wes can be found leading his engineering teams, but he also has a passion for mentoring and developing the engineers and leaders of the future. He enjoys writing code, renovating houses, and traveling.

**Johnson Sebastiar, Principal Software Engineer, Sky**

Johnson is Principal Software Engineer with 22 years of extensive experience in software development, design, architecture, and management skills. He works for Sky RDK-B Home Comms division. As a technical lead with his team, Johnson has successfully developed and delivered WAN, xDSL, PPP, GPON, TelcoVoice and Firmware Upgrade Managers to the RDKB Community. He is now responsible for developing and delivering RDKB Core Device Services Squad components.

**João Serra, Head of Broadband Embedded SW Engineering, NOS Inovação**

João currently leads the embedded software development for NOS Home Gateways.

João has more than 12 years of experience in the telecom sector, having worked on B2C Video and Broadband products, he is a software engineer with a strong background in networking and video technologies.

**Bijal Shah, Head of Product Device Architecture, Sky**

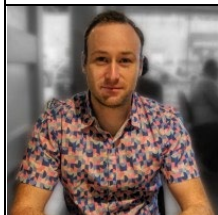
Bijal has been in the embedded development space and specifically STB devices for over 25 years, with leading roles at Canal+ Technology, NDS, Cisco, Freesat and now Sky. Now part of the RDK-V architecture team developing new TV and STB products.

**Denis Shimizu, Senior Software Engineer, Collabora**

Denis has 18 years of experience working with embedded software in big companies of the segment, working with applications using Embedded Linux, Yocto, C++, Rust, AI and Computer Vision. Working at Collabora, he is a Senior Software Engineer in multimedia related open-source projects. Denis holds an MSc in Electrical Engineering with a specialization in Machine Learning.

**Richard Squire, Director of Connectivity Strategy, Liberty Global**

Richard heads up the Connectivity Platform Strategy function at Liberty Global with responsibility for defining the technical roadmap for CPE, Wi-Fi, customer apps and services and the supporting cloud-based platforms and data strategy. The scope covers a range of broadband WAN technologies, Smart Home, FMC, B2B and much more. Richard has more than 10 years' experience in the Connectivity Platform, CPE and Wi-Fi space working for Virgin Media prior to moving to Liberty Global.

**Matthew Stanger, Software Engineering Director, T-Mobile US**

Matthew Stanger is a Sr. MTS Software Engineering Director at T-Mobile where he is responsible for CPE Software & Strategy. He has helped T-Mobile build 5G Home Internet from the ground up and has recently worked on upstreaming 5G support within RDK. In his career, Matthew has successfully incorporated numerous FOSS projects, such as OpenWrt, Yocto, RDK, Kubernetes,

ModemManager, OpenAPI Generator and more into consumer products and has contributed back software both personally and through partnerships.



Rob Suero, Head of Technology, *RDKM*

Rob, a 25 year veteran of the telecommunications industry, has been a member of the RDK team since its inception in 2013. Rob oversees technical activities for the RDK including architecture, community roadmap, and collaborative development.



Yong Teng, Principal Engineer, Software Development & Engineering, *Comcast*

Yong Teng is a hands-on software architect with deep experience building and scaling cloud server firms that millions of mobile or IOT devices visit every day. He currently serves as the architect for XDP platform at Comcast. Prior to joining Comcast Silicon Valley Innovation Center, Yong held several technical and leadership positions including FusionOne mobile sync platform, HP ESN and QuickOrder web platforms, Focalink Smartbanner Ad platform, Netlabs DualManager platform and several other start-ups products in the valley. Yong earned his MS degrees in CS from Colorado State University, where he focused on distributed systems and MS degrees in EE from DongHua University.



Ramakrishnan Thangamani, Technical Operations & Engineering Lead, *RDK*

Rama manages development of test framework, test automation, IT Operations, Contribution Management, Community Collaboration, and Open Source Initiatives.



Biju Thomas M, Head, RDK Competency, *Tata Elxsi*

Biju has been actively working with RDK-V and -B for over a decade. He was leading teams that provided end to end services in RDK, which spanned across development, validation, deployment and post deployment services. Biju has played a key role in leveraging data from RDK devices for telemetry as well as for triage to drive business benefits to customers. Currently, he is heading the RDK Competency in Tata Elxsi, and has responsibility for RDK integration services to customers including SoC's, OEM's and Operators. As the competency head, he is also responsible for scaling of teams as well as consulting customers on their RDK journey.



Gerald Weatherup, Consultant Software Engineer, *Sky*

Gerald Weatherup has more than 35 years' experience in software development for real-time embedded systems spanning multiple sectors including games, semiconductors, headend equipment, Set Top Boxes and TVs.

He has previously worked for major vendors in the TV industry including Cisco, Broadcom, Ericsson/Tandberg TV, Sony TVOE, Pioneer, Sony Semiconductor, and NEC Electronics. For the last 10 years, he has been working with Sky, developing infrastructure and methodologies, and as a developer on Sky Q, Bootloaders, RDK and secure signing.

Gerald actively works to evolve the development methodologies and standards for Sky, is an advocate of core reuse and design, and is an active member of the group improving the quality of software by testing in RDK.



Tim Winters, Chief Technology Officer, *QA Cafe*

Timothy Winters is the Chief Technology Officer at QA Cafe. He has been in the network communications industry for more than 20 years, contributing heavily to Internet standards like IPv6 and building international testing programs and network test and analysis solutions for companies world-wide. He enjoys running daily and maintains to this day that Han Solo shot first.