

TECH ^{RDK} 2024 SUMMIT

April 23-24, 2024

Speaker Bios



JP Abello, Director of Product Management, *Comcast*

JP leads Product Management at Comcast for the RDK Video middleware and vendor layers, and has been working with RDK Management on evolving the RDK Video HAL and Porting Kit to better scale hardware integrations.



Glee Abraham, Head of Technology, *RDK Management*

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.



Alex Ball, Director of RDK-B Development, *Deutsche Telekom*

Alex Ball works for Deutsche Telekom Group heading up their RDK Broadband initiative, where he oversees RDK-B development, integration, and dev test automation. Alex has more than 25 years of experience in the communications sector, having worked primarily for Multi Service Operators on B2C Video and Broadband products. Alex has been an active participant in the RDK community for Video and Broadband since its start as a community.



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.



Aziz Bohoudi, VP Entertainment Platform, *Infosys*

Aziz Bohoudi has accumulated over two decades of experience in the Telco and Cable industries, with a specific focus on TV and Broadband services. Currently serving as the Vice President of Entertainment Platform at Infosys, he oversees the Entertainment Technology and Delivery organization, leading the transformation of entertainment services across diverse markets.

Aziz specializes in key areas such as digital transformation, system integration, delivery management, DevOps practices, Agile methodologies, and technology strategy. He is known for his strategic thinking, creative problem-solving skills, and his ability to build and motivate high-performing teams.

With a wealth of knowledge in telecommunications and cable industries, Aziz offers valuable insights into the ever-evolving landscape of TV and Broadband services, digital transformation, and technology strategy.



Jason Briggs, President & General Manager, *RDK Management*

Jason Briggs is the President & GM of RDK Management, a joint venture established by leading communication service providers, to manage the RDK open-source software platform used to power video, broadband, and IoT devices. In this capacity, he oversees all aspects of the RDK open-source software consortium, supporting a community of more than 600 technology companies including service providers, hardware manufacturers, software developers, and system integrators. Mr. Briggs was instrumental in the global growth of RDK to dozens of service providers and more than 100 million device deployments worldwide.



Reffael Caspi, CEO & Co-Founder, *Veego*

At Veego, we develop next-gen Quality of Service management and optimization empowered by our AI based App classification and QoE App Scoring. Veego supports open industry standards like RDK to improve time to market and prevent vendor lock-in. This culminated in Veego's contribution of the QoS manager to RDK-B.



Paul Clarke, Managing Director, Global Devices Software, *Comcast*

Paul leads the Global Devices Software team for Comcast, developing the RDK software platform that powers 100+ million devices around the world – from TV's and Set Top Boxes, through broadband gateways and extenders, to home cameras and IoT devices. RDK is the fully modular, portable, and customizable open-source software solution that standardizes core functions used in video, broadband, and IoT devices.

He started his career developing hardware and software at Philips Research Labs in the UK and following 10 years in consulting with Cap Gemini and HP Services, he moved to work for Sky. There, for the past 16 years, he has led product delivery teams developing Sky+, Sky Q, the Sky Glass TV, the Sky Stream IP box, the Sky Live camera for Glass, and numerous broadband devices.

In his role leading Comcast's Global Devices Software team, Paul is passionate about creating the experience at the heart of the home that connects everyone to what they need and love.



Viviane Cordeiro da Silva, Principal Engineer, *Sky*

Viviane is a Principal Engineer at Sky with 17 years of experience in telecommunications software development. She has been with Sky for 6 years. Viviane graduated with a degree in Electrical Engineering and currently leads the fi-devices squad, part of the RDKB WiFi team. In this role, she has spearheaded the delivery of features like HAL3.0, tri-band support, WiFi6e, CSI, Onewifi, and extender functionality for RDK-B.



Albert Dahan, Fellow, *Comcast*

Albert Dahan is a distinguished technology leader and innovator, currently serving as a Fellow at Comcast. He is a pioneer in developing open source technology solutions that enhance the performance of apps and video services.

In 2005, Albert co-founded Metrological. Under his technical leadership, Metrological has become a preeminent application platform, used by Tier 1 MVPDs and TV operators, and many of the largest media companies worldwide.

In 2019, Comcast acquired Metrological. Albert's expertise and vision continue to shape the future of media and technology at Comcast, where he currently holds the position of Fellow.



José Ramon Diaz Martínez, Director, Solution Architecture, *RDK Management*

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.



Peter Fox, Key Account Director, *Consult Red*

Peter Fox is Consult Red's Key Account Director, supporting customers including Sky and Comcast as well as RDKM and RTAB, driving new innovation and solving challenging technical problems. A key focus for Consult Red over the past few years has been containerisation in RDK-V and RDK-B, covering CPE and cloud to support delivery and management of apps and services.

Prior to Pete's 11 years at Consult Red he spent 7 years in Nagra managing CA programs for UK and Europe as well as time at OEM's Pace, Amstrad and for those old school techy people 5 years at Acorn Computers, the founders of ARM and creators of the BBC micro!



Marcel Fransen, Director, Software Development, *Comcast*

Marcel has over 25 years of experience in design and development of software in the embedded systems field. Currently Marcel oversees software development for Thunder and related components, as well as some other native software development projects for Comcast.



Rajashree Govindan, Product Manager, *Comcast*

Rajashree drives improvements in RDK-Video middleware with a focus on the AV Pipeline, ensuring compatibility through the Hardware Porting Kit and Vendor Test Suite.



Steve Griffith, Director of Architecture & Design, *Sky*



Mark Kinlen, VP Technology Architecture, *Liberty Global*

Mark Kinlen is the VP Technology Architecture for Liberty Global Consumer and B2B services. The group is responsible for defining and executing on the overall technology strategy to deliver services across the Liberty Global footprint covering both Connectivity & Entertainment platforms, including in-home devices, digital touch points, back office and third party cloud platforms.

Mark spent 5 years in a range of technology and strategy roles with Virgin Media before transitioning to Liberty Global following the acquisition in June 2013. Prior to Virgin Media Mark was with AT Kearney Consulting and in a number of telecoms roles with Orange Business Services.

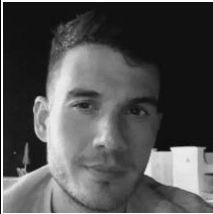
Mark holds an undergraduate degree from Warwick University and an MBA from the IAE, France.



Jeremy LaCivita, Director, Apps Platform Architecture, Comcast

Jeremy is a member the Firebolt Advisory Board and is a frequent contributor to Firebolt API Working Groups. He has a strong affinity for business enabling platforms and APIs that sit just behind consumer user experiences and believes that open-source collaboration on requirements, design, and code are powerful tools in these types of endeavors.

Jeremy has worked on B2B API surfaces at Comcast for over 16 years and currently runs a team of architects and technical product managers focused on Comcast's App Device and Distribution platforms.



Carlos Martin, Principal Wireless Engineer, MediaTek

Carlos has an Electronic Engineering and Computer Science double degree. He has +10 years of experience in the area of embedded software for broadband products.

Carlos joined MediaTek as a Principal Wireless Engineer in 2021 and focused on SW architect to build broadband products based on MediaTek Filogic chipsets. One of his missions is the integration of RDK-B into routers, typically working with broadband operators and ODMs/OEMs.



James Mathews, VP of Firmware, CUJO AI

James Mathews is a versatile full-stack web developer and technology innovator with over 18 years of experience in software and hardware development. Specializing in embedded Linux-based security solutions at CUJO AI, James brings a wealth of knowledge in Python, SQL, PHP, Embedded C, and front-end technologies, alongside profound expertise in hardware design and embedded systems. At CUJO AI, he focuses on developing robust security measures for home network gateways, ensuring the safeguarding of digital homes against cyber threats.



Eric Meijer, Sr. Product Development Manager Video CPE Hardware, Infosys

At Infosys (and until recently with Liberty Global) Eric is responsible for developing new video CPE.

His latest work is the Apollo, an RDK based highly sustainable pure-IP set top box. This CPE serves millions of TV customers of Sunrise UPC (Switzerland), Telenet (Belgium), Virgin Media O2 (UK), Virgin Media (Ireland), VodafoneZiggo (NL), UPC Slovakia and UPC Poland.

Eric is also responsible for many sustainability related improvements and conducting Life Cycle Assessments on video CPE.



Abhishek Mishra, CPE Software Engineer, Deutsche Telekom



Charles Moreman, Fellow, Software Architecture, Comcast

Charles is a Fellow at Comcast and the lead software architect for RDK-B and cloud software for Wi-Fi analysis. His focus is new features for internet service providers, Wi-Fi software enhancements, Wi-Fi analytics, other new features and software architecture improvements. RDKB software is open sourced at rdkcentral.com and used by many service providers.

Previously Charles worked as Executive Director at Comcast. Prior to that Charles worked as Chief Product Architect and Fellow for Technicolor's Connected Home Business Unit. At Cisco Systems, Charles was a Principal Engineer and the founding architect for CCSP gateway software used as the basis for the RDK-B software project. Before this, Charles worked as engineering director leading the development of Cisco/Scientific-Atlanta Cable Modems & Gateways.

He has a degree in Electrical Engineering from the Georgia Institute of Technology. Charles has been awarded 10 US Patents and has multiple patents pending.



Sanjay Mullamuri, Sr. Director, RDK-B Gateway Software Development & Engineering, *Comcast*

As the Senior Director at Comcast, Sanjay Mullamuri directs the strategic development of the RDKB Gateway software stack, overseeing its implementation and deployment for residential and commercial broadband gateways. Joining Comcast in 2012, Sanjay has been a driving force behind the enhancement of the RDKB stack, leveraging over a decade of prior experience specializing in embedded systems for set-top boxes, video streaming, and HDTV technologies.



Soumya Munshi, Director, Software Engineering, *Comcast*

Soumya Munshi leads the RDK Wi-Fi team. He joined Comcast 6 years ago as Sr. Manager. Since then, his team has innovated, executed and deployed multiple initiatives such as OneWifi, Passpoint, Wi-Fi Channel State assisted features and many others along with filing of several patents in Wi-Fi area. Before Comcast Soumya has worked as manager and technical lead of various wireless (cellular and Wi-Fi) projects at multiple startups in the Bay Area and has over 18 years of experience in various roles in wireless technology projects.



Sandeep Nair, Senior Director, Software Development & Embedded Engineering, *Comcast*

As Senior Director of RDK Platform Software and Build Tools team at Comcast, Sandeep Nair spearheads the development and maintenance of RDK platform's most critical components. From the Base Init System and Telemetry to Firmware Download and Feature Control. His team ensures that RDK's profile-agnostic elements are robust, efficient, and ready for prime time. He is also responsible for RDK developer tools and the CI/CD pipeline, making sure that RDK's software development process runs smoothly and efficiently. With his extensive experience and deep understanding of RDK's architecture, Sandeep brings a wealth of knowledge and expertise to the table and has played a pivotal role in shaping many of the critical platform components of RDK.



Naveen Babu Narayanan Nair, Director, Software Development & 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.



Sophie Pool, 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.



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



Paul Robson, CPE Strategy, Liberty Global



Kevin Ross, Director Software Engineering, Infosys

Kevin Ross has accumulated over three decades of experience in the Telco, Cable and SoC industries. Currently serving as the Director of Software Engineering at Infosys, he oversees the middleware development, design-in and delivery of software into gateway device, partnering with a number of SoC providers, OEMs, and third-party software companies.

Kevin specializes in key areas such as system integration, delivery management, scalability across a broad partner base, design-in support, and technology strategy. He is known for his team's delivery performance, strategic thinking, problem-solving skills, and his ability to build and motivate high-performing teams.

With a background in SoC development and middleware design-in, coupled with a wealth of knowledge in telecommunications and cable industries, Kevin offers valuable insights into the ever-evolving landscape of Connectivity services with decades of experience on delivering solutions to market.



Gavin Sheldon, SVP, Infosys



Anushri Shenoy, Director, Software Development & Engineering, Comcast

Anushri, the Director of Software Development & Engineering at Comcast, is passionate about crafting high-quality software solutions. With over a decade of experience within the company, she currently leads teams dedicated to Firebolt Certification and Reference Firebolt implementation (Ripple). Anushri's expertise lies in the realm of entertainment products, including Xfinity and Xumo, across both application and middleware layers. Throughout her

tenure, she has specialized in designing, developing, and implementing automation frameworks for various components within these products.



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.



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

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.



Abby Troy, Senior Technical Product Manager, *Comcast*

Abby is a seasoned Technical Product Manager at Comcast, currently driving innovation on the App Platform team. Currently leading Firebolt and Ripple (Firebolt Reference Implementation), Abby ensures a seamless integration layer for apps across all Comcast, Sky, and syndicated entertainment devices. Her focus extends to the Comcast Distribution Platform, streamlining app delivery and onboarding processes. Prior to her current role, Abby led the development of scaled backend platforms supporting flagship products like X1, Flex, XumoTV, Sky Glass, and now Xumo Streambox. Abby is passionate about delivering scalable, flexible solutions that meet the evolving needs of her products and customers.



Wouter van Boeschoten, Executive Director, *Comcast*

Wouter currently leads the Lightning open source team at Comcast. He is responsible for the evolutions of the Lightning project, building an open source community and providing synergy between what the enterprise needs and the open source community wants. He has 15+ years of experience in the media broadcasting industry, from DVB-(P)SI generators to VOD back office (EventIS/SeaChange) and STB embedded/webkit development to HTML5 Apps (Metrological). His mission is to provide everyone with the smooth UI experience they deserve using the power of open source software development.



Ravi Varma, Executive Director, *Comcast*



Pierre Wielders, Software Development & Engineering, *Comcast*