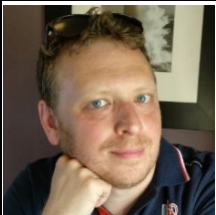# July 12-13, 2022

Speaker Bios

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.

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 7+ 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 eco-system 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.

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.

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.

Dave Chapman, Solution Architect, *Consult RED*

Dave Chapman has been a developer and architect of CPE software for almost 25 years, beginning at Pace Micro Technology in the early days of digital TV in the UK. For Consult RED Dave has worked at all levels of CPE SW stacks, in many capacities as engineer, tech lead, SW architect, and solution architect. Having had an initial focus on video devices (RDK-V) Dave is now focused fulltime on broadband (RDK-B), and is leading Consult RED's RDK-B LCM (Life Cycle Management) initiative. Dave has a BSc (Mathematics & Computing), and a PhD (Mathematical Sciences).

Jose Ramon Diaz Martinez, 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.

Dominic D'Souza, Principal Engineer, *Comcast*

Dominic has 24 years of software development experience in designing and developing scalable enterprise level software architectures using C, C++, Java and C#. He worked in the security industry with Video Over IP for High Res Megapixel cameras, DVRs, video solutions. He also has experience in hardware development with micro-processors, micro-controllers, FPGA's ASICs, and a passion for writing code with quality, testability, and maintainability in mind.

Michael Fiess, Distinguished Engineer, RDK-Video, *Comcast*

Michael is a software 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.

Kartik Gohil, Architect, *Sky*

Kartik is an alumnus of Imperial College London with a Masters in Electrical & Electronic Engineering. With 2 years' experience designing software solutions for embedded products and 4 years with Sky Home Comms, 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, PPP, and MAP-T to RDK-B.

Malcolm Johnston, Principal Architect, *Sky*

Malcolm has been engaged in embedded software development for decades spanning roles from development, delivery & team management, systems architecture and technical authority. These days he is part of the RDK-B architecture team working on a diverse set of product user stories and core architecture missions. When not working on software architecture he's either cycling country lanes, improvising jazz, or out in the garden tending to his vegetable patch.

Hervé Jourdain, VP Architecture – General Manager, Asia, *Beechwoods Software*

Hervé has more than 30 years of experience in real time embedded systems, networks, telecommunications and TV/STB. He has held management positions in startups, consulting firms and top 20 semiconductor companies. He is currently VP architecture for Beechwoods Software, and General Manager of Beechwoods Taiwan. Prior to that, he worked for Mstar Semiconductor, where he acquired an in-depth understanding of the Television and Set Top Box markets, and the challenges facing SoC vendors and OEMs to integrate complex software and middleware. He has been involved with RDK since 2012.

Beri Levi, Principal Engineer, *Sky*

Beri Levi is a Principal Engineer at SKY, with extensive experience developing home comms products. At SKY, he is leading a dedicated team of engineers, maintaining the HUB4 Italy releases. His current focus is aligning new RDK-B features with SKY's products and developing new features in-house, which empowers current developments. He helped design and develop Telco voice manager, a new RDK component, which is now open-source and available to the RDK community.

Before devoting his full-time to SKY, Beri worked as a software consultant for a wide range of companies in the sector, developing home comms broadband and IPTV products. His interests include keeping up with the latest technology and cycling.

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.

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.

Soumya Munshi, Wi-Fi Architect, *Comcast*

Soumya Munshi leads the RDKB Wi-Fi team. He joined the RDKB team 4 years ago as Senior Manager, since then he has executed many Wi-Fi initiatives such as Passpoint, Easy Connect, WHIX, HAL3.0 etc. At present he is leading OneWifi initiative. 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 15 years of experience in various roles in wireless technology projects.

Dr. Jason Nash, General Manager, TV, *Ocean Blue Software Ltd.*
Jason manages Ocean Blue Software's (OBS) development activities leading a multinational dynamic team operating at the forefront of the Digital TV market. OBS' latest activities have been the development of the Open Red Button (ORB) HbbTV solution as well as integrating DTVKit's multi-standard DVB stack with the RDK-V platform resulting a true hybrid offering for Operators and OEMs. Other recent projects include the development of a CI Plus 2.0 host stack, IPTV support for DTVKit, CAS integrations and Android (TunerHAL) integration.

Jason has over 20 years of experience in the DTV market spanning different sectors including semiconductor manufacturers, set top box OEMs and software development companies. OBS is a founding member of DTVKit, the shared source DTV software community, and provides a range of software services to the DTV market.
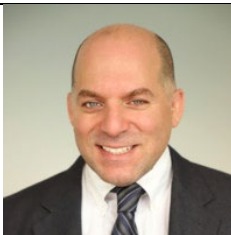
Khem Raj, Fellow, *Comcast*
Khem Raj is a Technical Fellow and Linux System architect at Comcast, helping several open source initiatives within the company: He is guiding the company's adoption of open source software, and becoming an active contributor to the open source components used in the RDK 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.

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. He is responsible for developing and delivering the New Home Comms Routers to the end customers. As a technical lead with his team, Johnson has successfully developed and delivered WAN, xDSL, PPP, GPON, TelcoVoice and FirmwareUpgrade Managers to the RDKB Community.

Philip Stroffolino, Distinguished Engineer, *Comcast*
Philip Stroffolino has been with Comcast for 11 years, and currently leads strategic native IP Video technology including QAM/RMF player, Advanced Adaptive Media Player (AAMP), FOG (IP TSB), and Universal Video Engine (UVE) APIs, along with application and tool support.

Philip's previous work in the Cable Industry includes 9 years spent at SeaChange (in the beginnings of Video on Demand) and Cox. While currently in a director role, Philip has strong OpenGL background, and continues to enjoy hands on development support leveraging C/C++ and HTML/JavaScript.

William Suriaputra, Director of Platform Engineering, *Cognitive Systems Corp.*
William Suriaputra is a dedicated and creative platform engineer who effectively applies his computing technology skills in the realms of hardware design, high-performance computing for data analytics, and systems engineering. Will has been instrumental in the development of both hardware and software products by directing successful product engineering teams, managing integration with partner firms, and inventing internal tools to streamline operations.

Will graduated from the University of Toronto with a Bachelor of Applied Science and Engineering in Electrical and Computer Engineering, concentrating in Hardware Design and Electronics, as well as a Master's Degree in Computer Engineering. Will's strong academic credentials led to two significant internships with BlackBerry as a digital

designer, where he was in charge of designing a customized FFT accelerator utilizing TTA architecture and researching a custom FEC processor design.

Will joined the Cognitive team in 2014 with the intention of pivoting and seeking a new challenge, and he has been working ever since to define and mold the product engineering team into what it is today. Will was a key contributor to Cognitive's original chip design 5-6 years ago and WiFi Motion's global launch with Plume two years ago. As Director of Platform Engineering, he directs strategic efforts to ensure an effective integration process across numerous platforms, while also managing the team organization to enable optimal communication levels.

Wouter van Boesschoten, 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.

Nili Yohay, Principal System Software Architect, *Maxlinear*
Nili started her position as RDKB integration architect at Maxlinear two years ago, where she has been involved in integrating RDKB into Maxlinear's both Cable and Telco platforms. Previously she had 15 years of vast experience as a software engineer and architect, in various companies such as Intel and Qualcomm, engaging in multiple disciplines. Her experience traverses from embedded SW and linux kernel, up to higher level application frameworks, as well as overseeing the end to end software solutions. Nili also represented Intel as a torch bearer at the 2018 winter Olympics in South Korea.