

Contact

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www.linkedin.com/in/zahidtg
(LinkedIn)

www.parallelwireless.com/
(Company)

blog.3g4g.co.uk/ (Blog)

www.3g4g.co.uk (Company)

Top Skills

5G

4G

3G

Languages

Hindi (Native or Bilingual)

Marathi (Limited Working)

Japanese (Elementary)

Publications

A quick case study on Smartwatches

LTE Deployment Dilemma

LTE, LTE-A and 4G: The move to mobile Hetnet

The futuristic concept of 'Smart Batteries'

4.5G: Integration of LTE and Wi-Fi networks

Zahid Ghadialy

Principal Analyst & Consultant at 3G4G, Senior Director at Parallel Wireless

London, Greater London, United Kingdom

Summary

I am a technologist with a deep understanding of architecting world-class mobile products and solutions. With over 20 years of experience in telecom industry as an engineer, programmer, analyst, researcher, architect, trainer, product manager and technical marketer, I have seen highs and lows of this industry. I am a skeptic and often challenge conventional wisdom.

I was a part of the team responsible for the first 3G network rollout in Japan and Europe. Since then I have worked extensively in mobile technologies like 3G, 4G and now 5G. I am also widely recognized as an evangelist for new technologies, often talking about them in various industry fora, conferences and blogs. I also often separate technology from hype and real world applications & services.

Throughout my career, I have been involved with both innovative start-ups and established, public industry leaders from chipset and handset manufacturers to network equipment vendors, test and measurement (T&M) companies, small cells and Wi-Fi companies, research organisations, analyst firms and consulting companies.

At present, I am working as a Strategic Marketeer with a young, fast-moving and innovative company called Parallel Wireless that is on a mission to make any cellular as easy and as cost-effective as Wi-Fi. Prior to this, I was a Technical Programme Manager at techUK for over a year focussing on Communications Infrastructure, UK Spectrum Policies and on the Satellite Applications & Services programme. I was also the CTO council leader exploring open source software (OSS), Smart Cities, Intelligent homes and Robotics & Automation.

I have also been a regular speaker at many small and international conferences and events. My 3G4G blog (<http://blog.3g4g.co.uk/>)

is one of the most well known independent mobile technology blog worldwide. You can also follow me on twitter @zahidtg.

Experience

3G4G

Principal Analyst & Consultant, Founder, Webmaster and Blogger

March 2004 - Present (16 years 1 month)

London, United Kingdom

3G4G is a analysis, consulting and training company focusing mainly on mobile and wireless technologies / trends. We work with bespoke clients with whom we have a long term engagement.

Along with my day to day activities and commitments, I am helping share mobile and wireless technologies related information & knowledge via the different 3G4G platforms.

3G4G Platforms:

3G4G website - <https://www.3g4g.co.uk/>

The 3G4G Blog - <https://blog.3g4g.co.uk/>

3G4G Small Cells Blog - <https://smallcells.3g4g.co.uk/>

Operator Watch Blog - <https://operatorwatch.3g4g.co.uk/>

3G4G5G YouTube channel - <https://www.youtube.com/3G4G5G>

3G4G SlideShare channel - <https://www.slideshare.net/3G4GLtd/>

3G4G LinkedIn Company Page - <https://www.linkedin.com/company/3g4g/>

CW (Cambridge Wireless Ltd)

4 years 11 months

5G Trainer

July 2018 - Present (1 year 9 months)

I am running "5G: An Advanced Introduction" courses at regular intervals on behalf of CW and UK5G in Cambridge and London. The following courses were done (latest first):

10 Mar 2020: 5G: An Advanced Introduction

04 Feb 2020: Introduction to Private 4G & 5G Networks (with Dean Bubley)

30 Sep 2019: 5G: An Advanced Introduction

02 May 2019: 5G: An Advanced Introduction

06 Dec 2018: 5G: An Advanced Introduction

19 July 2018: 5G: An Advanced Introduction

Future Devices & Technologies SIG Champion

November 2017 - Present (2 years 5 months)

The Future Devices & Technologies SIG is focussed on facilitating members to envisage the future and drive innovation and business success in the connected devices space. All types of wired and wireless devices and constituent components are covered including in-home, in-vehicle and in-business devices, as well as the latest developments in more familiar consumer devices such as smartphones, smartwear, tablets and so on.

The Future Devices & Technologies Special Interest Group has three core objectives:

- To Provide Insightful Analysis: Informing members and providing analysis on the latest trends in market development, in technology innovation and in new insights into end user needs and behaviour
- To Cultivate Fresh Thinking: Assembling thought-leaders from diverse disciplines to broaden the canvas of ideas and perspectives, creating fresh insights critical to fuelling innovation and developing new businesses
- To Spark New Partnerships: Facilitating valuable new connections between individuals and organisations, and between traditionally different industry sectors, as technology continues to disrupt business models and value chains, and creates many new challenges and many more new opportunities

Member of the Board of Directors

May 2015 - April 2019 (4 years)

Cambridge, United Kingdom

CW (Cambridge Wireless) is a leading and vibrant community with a rapidly expanding network of nearly 400 companies across the globe interested in the development and application of wireless and mobile technologies to solve business problems. CW connects those companies and stimulates collaborative innovation through a range of thought-provoking high-profile networking events.

Having previously had a long and positive relationship with CW as a SIG champion, I was delighted to be appointed to the Board of this prestigious organisation. My duties include (but are not limited to) participating in the formulating of organisational strategies, policies and objectives; approving budgets and ensuring the availability of adequate financial resources; setting

the salaries and compensation of management; assisting and contributing to social networking and publicity strategy.

Smart & Intelligent Cities SIG Champion
December 2016 - October 2017 (11 months)

The Smart and Intelligent Cities SIG addresses a broad range of issues such as, city platforms, interoperability and the integration of a myriad of technology applications as well as the need for standards, procurement and regulation. With an open and collaborative approach, we will draw on participation from academia, government, industry, cities and the citizen to shine a spotlight on the opportunities and challenges both in the UK and globally.

Parallel Wireless
3 years 11 months

Senior Director, Strategic Marketing
July 2017 - Present (2 years 9 months)
London, United Kingdom

Looking at OpenRAN, 5G and All G strategy for creating a world class product.

7G Vision Leader
April 2019 - April 2019 (1 month)
London, United Kingdom

For further details please see the press release: <https://www.cambridgewireless.co.uk/news/2019/apr/1/parallel-wireless-announces-their-7g-vision/>

In case you did not realise, this was an #AprilFools joke

Solutions Architect
May 2016 - June 2017 (1 year 2 months)
London, United Kingdom

eXplanoTech
13 years 4 months

Non-Executive Director
February 2015 - Present (5 years 2 months)

Since leaving my full time role, I have been working as a non-executive director in an advisory capacity with strategic direction, personnel management at a macro level, monitoring performance of the executive management and helping with communication.

Managing Director / CTO

December 2006 - January 2015 (8 years 2 months)

Since the inception of eXplanoTech, I have been the face of the company. Supported by an able team, my management duties are very limited. This gives me an opportunity to be an all-round individual. My work is divided into the following four functions:

1. Company Management: I oversee the day to day running of the company, interviews and hiring process, appraisals and annual reviews, policies and decision making process, business development and contract negotiations, chairing meetings and help formulate business strategies, etc.
2. Head of Training Department: This has been the main area of my focus this year. My extensive technical knowledge of 3GPP specifications and current market trends is crucial in deciding which technology areas we should focus on and prepare trainings for. I actively participate in the development and preparation of the training material, occasionally also helping deliver courses, running workshops, etc.
3. Technical Project Management: This was my main responsibility until the last year; feasibility and planning for internal and client projects, recruiting the right technical resources, ensuring deliveries meet KPI's, deadlines and customers' expectations. Projects ranged from a single person project to mid-sized projects. I am still hands on with programming and spend between 10-20 hours a week doing C++ programming.
4. Networking and other Social activities: In order to market eXplanoTech's name and capabilities, I regularly participate as a speaker/analyst/panellist in international conferences. Participation in conferences help me understand the big picture and technology trends that get fed back to the company and our clients and help formulate the technology strategy for the future. I have been active on Twitter and LinkedIn for the last many years, marketing our brand and at the same time discussing technologies and other technical news.

techUK

Technical Programme Manager

February 2015 - April 2016 (1 year 3 months)

I worked on three different programmes namely; Communications Infrastructure, Satellite Applications & Services and UK Spectrum Policy Forum. In addition, I was also appointed as an CTO Council Leader. Key responsibilities for each programme is detailed as follows:

Communications Infrastructure: Liaising with member companies involved across the communications industry value chain to act as the voice of the

communications industry in order to provide a consolidated, cross-industry view on important market aspects and Government policy and Ofcom regulatory proposals. My areas of focus include 5G, superfast broadband, IoT, connected homes and smart cities.

Satellite Applications & Services programme: Working with the satellite industry, I am looking at applications and solutions for satellite broadband and connectivity, Global Navigation Satellite System (GNSS) and innovation using Earth Observation (EO) satellites for smart cities of the future.

UK Spectrum Policy Forum (SPF): See below

CTO council: I work with other CTOs' to understand the emerging technologies, the role they will play in the future and how it can affect their business. We also assess the skills gap that may arise in the future and how to prepare the next generation to have the correct skills for the required jobs.

In each of the above, I help develop, implement and manage projects, white papers, workshops, and events that will have positive effects on policy and business outcomes as it relates to our members' chosen issues. I work closely and support other relevant techUK councils and groups, maintaining liaison with group members to identify and exploit cross-fertilisation opportunities between other programmes within techUK.

UK Spectrum Policy Forum

Technical Programme Manager

February 2015 - April 2016 (1 year 3 months)

The UK Spectrum Policy Forum was setup as the cross-industry sounding board to Government and Ofcom on future spectrum management and regulatory policy with a view to maximising the benefits of spectrum for the UK.

Cambridge Wireless

Small Cell SIG Champion

April 2011 - February 2015 (3 years 11 months)

Depending on whom you ask, Small Cells opinions range from an unwanted and dying technology to the most innovative and backbone of the future generation networks. I am more of a believer in the latter and hence was the founding SIG-champion for the Cambridge Wireless Small Cells Special Interest Group (CW SS-SIG). From our humble beginnings, where we were trying to convince the Small Cell industry about our vision for the SS-SIG and

presenting ourselves as an alternative to the expensive paid conferences, we have come a long way. We now have many UK based operators, vendors, analysts, etc. as CW members who regularly attend and actively participate in our events. We have recently gained more SIG champions who are very well known in the Small Cells industry, which is a great win for us and is only going to make the SS-SIG events much better in future. Our last few events have got extremely good feedback and have had international participants. If you are involved in the Small Cells industry, please do join us at one of our future events.

University of South Wales

5G Technology Consultant

July 2014 - December 2014 (6 months)

Looking at exploring R&D opportunities including simulations and experimental case studies for 5G and beyond 4G. We are very flexible on topics and would welcome interesting in joining or contributing to this exciting project. Looking at future funding opportunities is on our agenda including 5GPPP, H2020 calls, TSB etc.

Anritsu

Technical Project Manager (Contract)

June 2011 - June 2012 (1 year 1 month)

Responsible for the delivery and maintenance of RTD PCP Library.

Alcatel-Lucent

Femtocell IOT Specialist

June 2008 - November 2008 (6 months)

Part of the team responsible for creating the IOT test plan and successfully performing IOT on the lu and the Uu interfaces with multiple vendors for proving that the Femtocell will work as specified.

Anritsu

2 years 9 months

Principal Engineer (Contract)

May 2007 - May 2008 (1 year 1 month)

MBMS Conformance Test expert responsible for framework implementation of Adaptation Layer of System Simulator. Also responsible for initial identification of the problems with ETSI TTCN suite and Mobile handsets.

Senior Software Consultant

September 2005 - April 2007 (1 year 8 months)

Part of Conformance Test (CT) framework and Debug team

Altran Technologies UK

Senior Consultant

September 2005 - April 2007 (1 year 8 months)

Consulting to various Telecom and Wireless companies and an active member of the Center of Excellence (COE)

Samsung Electronics Research Institute

Senior Software Engineer

October 2002 - September 2005 (3 years)

Design and Development of 3GPP/UMTS Protocol Stack for Samsung Mobile Phones

Part of RRC team.

Was involved in Conformance Testing (CT) and Inter operability testing (IOT).

Telecom Modus

Senior Software Engineer

July 2000 - October 2002 (2 years 4 months)

* Design and Development of Call Processing Software for UMTS RNC.

* Protocols worked on includes ALCAP, NBAP, RNSAP, RANAP and RRC.

Sasken Communication Technologies Ltd.

Software Engineer

February 1999 - July 2000 (1 year 6 months)

Part of 3GPP/UMTS Physical Layer (L1) team.

Education

Indian Institute of Technology, Bombay

M. Tech., Communications (Signal Processing) · (1997 - 1999)

University of Mumbai

B. E., Electronics · (1994 - 1997)

M. H. Saboo Siddik College of Engineering

B. E., Electronics · (1994 - 1997)