

Curriculum Vitae : Anna Gray

Name : Anna Gray
Age : 49
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Nationality : U.K.
Occupation : Broadcast Systems Engineer : Upgrayde Broadcast Ltd
Health : Full health, non smoker.

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Tertiary Education

2010 – 2011 : [Grenoble Ecole de Management](#), France : M.B.A. (Graduated Oct. 2012)
1986 – 1989 : [University of Essex](#), UK. Bsc Electronic Systems Engineering

Professional membership : Member of the Institution of Engineering and Technology U.K. (M.I.E.T)

Career Summary

I am a professional Engineer specialising in broadcast systems, standards and operations. My core expertise lies in specifying, designing and delivering reliable broadcast systems solutions. This is aided and complimented by my experience of working in a wide variety of live broadcast operational environments.

Professional and personal development have been central to my career born from natural curiosity and desire to constantly develop and deliver better solutions to my colleagues and customers. I have never lost my enthusiasm for a career I chose and love, my core driver and motivation.

Full time positions

- 2009 – Present [Upgrayde Broadcast Ltd](#). Broadcast Systems, Technical Consultant (Owner)
Primary duties as listed in Freelance section of C.V.
- 05/08 – 07/09 [BBC World Service Trust](#) Bangladesh Broadcast Systems and Project Engineer : Dhaka, Bangladesh
Employed by the Trust to provide specification, tender, procurement and broadcast engineering support to documentary, drama and studio based programming made for the English in Action project, Dhaka, Bangladesh. Worked with the BBC, state and non state broadcasters acting as guarantee engineer on live outside broadcasts aired on Bangladesh national and international television including the BBC World Service live debate.
- 11/06 – 05/08 [Input Media](#) London UK Broadcast Engineer - Master Control : London, U.K.
Working in a very busy Master Control during the period when Input Media provided all broadcast, transmission and post production services to Setanta UK, license holders of a percentage of the English Premier League. Extensive experience of satellite downlink, co ordination with overseas providers and takers, lines, TX, talk back recording, requirements for post production, co ordination with live TX, bookings systems, diverse path planning
- 05/03 – 06/05 [VSO](#) / BBC WST Nigeria Project Engineer and Project Support and Consultant : Kaduna, Nigeria.
Hired by the BBC World Service Project, Voices while on VSO service in Zaria Nigeria. Provided project management of the construction, internal fit out and studio fit out of a Multi Media training block at Ahmadu Bello University, Zaria Nigeria. Provided training and engineering support of a small team of journalists providing training
- 06/99 – 05/03 [Bloomberg LP](#) London UK Broadcast Electronic Systems and Project Engineer : London U.K.
One of a small team of five engineers providing all broadcast studio systems and transmission systems support and ongoing development. Five 24/7 channels supported, based in London and four European bureaus.
- 09/96 – 09/98 [Network Ten Television](#) Australia Broadcast Electronic Maintenance Engineer : Sydney, Australia
Maintenance systems engineer, all online and offline systems, specialist in analogue Betacam and later digital Betacam A500 systems. Developed specialist knowledge of SD SDI and integration of digital audio systems.
- 11/91 – 05/94 [Real World Studios](#) Bath, UK Electronic Systems Maintenance Engineer : Bath U.K.
Supported three busy S.S.L. Equipped studios, with Studer A820 / X850 multitrack and ½ inch systems. Incredible, demanding and rewarding experience working at one of the leading professional recording studios in the world.
- 05/90 – 11/91 ProBel Ltd Reading, UK Electronic Broadcast Design Engineer : Reading U.K.
Junior design engineer responsible for design of HD analogue video and audio switchers.
- 07/89 – 04/90 AMS / Calrec Burnley, UK Electronic Systems Design Engineer. Burnley, U.K.
Worked on the first generation of Calrec assignable consoles, digital control, analogue audio processing.

Freelance contracts / Customers

Host Broadcast Services

FIFA World Cup 2014 & 2010 & UEFA Euro 2012 : MCR Multi / Unilateral

MCR operational engineer. Broadcast signals and communications integrity check from venue, monitor, distribution of multil / unilateral broadcast VANDAs, liaison with international broadcasters at IBC and E.B.U. Fault monitoring, resolution and reporting.

Olympic Broadcast Services

Rio 2016, Sochi 2014, London 2012, Vancouver 2010, Beijing 2008 : TOC Engineer

T.O.C. Operational Engineer reporting to T.O.C. Supervisor and V.T.M.. Liaison with O.B. vehicle installation, configuration and verification of all broadcast signals. Liaison with CDT daily line, quality control and recording duties.

Globelynx / Press Association

Broadcast Systems Engineer customer site support / training March 2015 - present

Technical consultant : Globelynx conducting national and international site visits to a wide variety of corporate and educational establishments, commissioning, testing and customer training.

Euroscreens

Broadcast Systems design and Guarantee Engineer 2012 - present

Euroscreens own and operate a four camera HD vehicle based on a Mercedes Sprinter chassis. Lead design/installation engineer and guarantee Engineer B.B.C. Introducing Stage Reading Festival 2014/15, Glastonbury Festival 2015. B.T. Sport Champions League unilateral services.

London Live

Broadcast Engineering support and operations : Mar/Apr/May 2014

London Live, the new community channel with a P.S.B. license broadcasting on Freeview and SKY, launched 1st April from the centre of London. Initial set-up of gallery and MCR broadcast systems, verification, testing and operational MCR duties for live programming.

Playbox TV

Lead Systems Integration Engineer 2011-13

Multi TV, Joy News, Dunamis TV / Anglican Church / 24Live : Video and audio Broadcast systems specification, design, procurement. Systems documentation, drawing, technical and 3D gallery / furniture layout. Daily management of design and wiring teams, international shipping, on site installation, delivery and training, UK / Ghana / Nigeria.

Dega Broadcast Systems :

BBC Media City, BBC Sport Salford UK July 2011 – Feb 12

Systems Integration Engineer dedicated to delivering three primary sound suites and two sub mix suites to BBC operational specification, working with suppliers and BBC staff. Cabling and interfacing of Calrec Apollo / Artemis / Riedel systems. Later employed by BBC sound department for operational duties providing submix Premier league commentary.

BSkyB Broadcasting

Broadcast Maintenance Contractor London (2009/10)

Primarily employed to work with BSKYB sound team to return Calrec analogue to full technical operational specification. Board level rework / calibration of Calrec S consoles.

BBC Media Action

Broadcast Contractor Nigeria, India, Nepal, Yemen, Georgia, Tunisia

Employed by BBC WST / Media Action to deliver / rebuild radio and audio production suites, and provide core I.T. services to the broadcast and office work place.

FIFA

FIFA Under 17 World Cup Nigeria 2009 : O..B technical operations / guarantee : Kaduna

Feltech Ltd

Papal Visit to UK 2010 UK (2010) : Build of temporary MCR/ Press centre, Edinburgh

PATHS Nigeria

Broadcast Contractor Nigeria (2006). Broadcast Services Ekiti State, Nigeria. Design, specify, DFID tender, co-ordination of delivery, installation and training for new digital radio studio equipment to rebuild Ekiti State broadcaster, Nigeria.

VME Ltd

VME Ltd offers a large, diverse portfolio of services working in Broadcast services, sound reinforcement, power delivery, radio microphone hire and outside broadcast operations. I have worked closely with the owners since the company started and provide technical assistance and advice and learn a great deal from their operations daily.

Guarantee work

BBC Sport : Audio Commentary : Rugby U.K.
Sky Sport : Champions League / Europa League / European Rugby.
BT Sport : Champions League : O.B. Guarantee engineer.

Key Skills

Autocad : In depth 2D / 3D design skills
Computer literacy : High : Microsoft Operating systems, operation, security. Linux : Good
Software Hardware literacy : High : Legacy and modern embedded systems
Embedded devices : C programming, embedded, interface and networking
Electronics skills : Board level analogue/digital audio/video/control design / maintenance.
System fault finding to component level, signal tracing and rapid 'work around' skills.
Communication : One to one, one many : good!

Personal introduction

I have had the great pleasure and fortune to be able to pursue my career, my passion in broadcasting from my student exploits at University radio station through to the present day working with customers and systems, solving problems and creating solutions.

It has been a privilege and a challenge to watch the enormous change in my industry from the heights and complexities of analogue excellence to the universal adoption of digital technology, I never imagined it, or I would come so far.

Starting my career as a technical engineer, dedicated to understanding the detail of how equipment and systems work, I have been able to step back slowly and progressively to develop an in depth technical knowledge of how systems work, but also how to offer solutions on how these systems should work within the context of the organisation. In short, keep it simple.

My career has allowed me to travel, to live abroad, learn and work with new cultures and be a part of exciting projects, supporting the technologies that help and enable people to communicate throughout the world.

Personal self development has been important to me, through self learning my study year, 2010/11 in France, an M.B.A. which greatly broadened and matured both my personal and professional outlook and perspectives.

I always felt it was important to share my good fortune, my education, my self learning and gained knowledge with others and am stimulated when working one to one with colleagues and small teams supporting and collaborating to deliver the best possible results, knowing and understanding why that is important, and being proud to do so. My volunteering in 2003 was inspired by this deep desire to contribute, and the many lessons I learnt during those two years remain with me.

Outside of work, I read, I learn and I cycle. My cycling, usually short commutes and sometimes, when time permits, long journeys, sometimes for weeks, camping along the way following the mountains, the Tour de France, in France and Spain and more exotic locations when opportunity arises.

Anna Gray

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