

CV for Robert Gaskin – Page 1 of 6

INDIA MOBILE +91 (0) 800 789 7607

E-MAIL ROBGSKN@GMAIL.COM

www.linkedin.com/in/robert-gaskin-water-engineer

WEBSITE ROB65.COM

Overview

Name	Robert Lawrence GASKIN
Nationality	UK (British Citizen) resident in India. Persons of Indian Origin (PIO), PAN and Aardhar card holder.
Formal education	BSc Mechanical Engineering with French (hons) University of Bath, UK, 1987
Memberships	International Water Association
Language Skills	English –Native, French –Good, Russian/Thai –Basic
Key qualifications	<p>Water Supply Consulting Engineer.</p> <p>Experienced leader and manager of local and remote multi-disciplinary teams through all project cycle stages. Detail obsessed strategic thinker. Skilled in P&L responsibility, client and partner liaison, problem solving, sectoral restructuring, institutional strengthening and capacity building. Over 37 years professional experience including over 26 years international experience in more than 10 countries.</p> <p>Infrastructure and water supply expert consulting engineer specialising in clean water network design, construction, operation, network modelling, model calibration, network analysis, fieldwork, water loss reduction, district metering, smart cities, economic and financial analysis, performance benchmarking, asset management, capital investment planning and related IT including GIS and other databases. Sound knowledge of water and wastewater networks and treatment approaches.</p> <p>Particular expertise in understanding both intermittent and continuous water supply regimes.</p> <p>IT Manager, business analyst for software development, database and website designer and administrator. Robot programmer. Blogger at rob65.com on social issues and economics, water supply, mapping and photography.</p>
Software Skills	<p>Innovyze Infowater, Infoworks, Synergee, Bentley Watergems, Epanet, Hammer, ICM, ArcGIS, QGIS, PostGIS, PostgreSQL, Mapinfo, Windows Server, SQL Server, Primeworks.</p> <p>AI – currently running Gemma3:12b locally on Windows and MacOS.</p>

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Past employment

Dates	Locations	Company	Positions
Oct 2021 to Present	India	Independent Consultant	Consultant
Jan 2019 to Sept 2021	India	Rodic Consultants	Assistant Vice President
July 2017 to Dec 2018	India	Independent Consultant	Consultant
Sept 2016 to June 2017	India	Atkins Global	Technical Authority
July 2013 to Sept 2016	India, UAE and Malaysia	Independent Consultant	Consultant
Mar 2010 to June 2013	UK, India and Turkey	MWH	Technical Manager, Principal Civil Engineer
Nov 2007 to Nov 2009	UK	MWH	Principal Civil Engineer
June to Nov 2007	UK	Independent Consultant	Project Manager
Feb 2006 to June 2007	Uzbekistan, India and Tajikistan	Louis Berger Group	Team Leader/Project Manager
July 2005 to Feb 2006	UK	Independent Consultant	Proposal Writer
July 2002 to June 2005	Thailand, India and Singapore	Rosebert	Managing Director
Sep 1988 to July 2002	UK, Jordan, Thailand, Armenia, Hong Kong and Philippines	Black & Veatch (including Binnie & Partners and Binnie, Black & Veatch)	Project Manager, IT Manager, Proposal Manager, Network Modeller
July 1987 to Sep 1987	France	Suntec	Technical Writer
July 1986 to Sep 1986	France	Syspro (Pont a Mousson)	Robot Programmer

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Professional Experience (key projects only)

<p>January 2019 to September 2021 Rodic Consultants Delhi, India</p>	<p>Assistant Vice President for Water and Environment. Early water supply role in Jammu Smart City project working alongside architecture, power supply and transportation teams. Technical review of Khunti water supply design for Jharkhand JUIDCO world bank funded project. Supported SVP and Business Development team with expert water supply content and authored high scoring technical proposals (>95%) for water sector work including water supply, flood protection and irrigation schemes. Authored and delivered presentations to existing and potential Clients.</p>
<p>July 2017 to December 2018</p>	<p>Created Rob65.com website. Researched water supply issues in India. Developed QGIS, PostgreSQL and PostGIS skills. Evaluated Epanet plugins for QGIS.</p>
<p>September 2016 to June 2017 Atkins Global Gurgaon, India</p>	<p>Technical Authority for clean water networks for India input on UK and South Asia projects including Severn Trent (Synergee) and Scottish Water (Infoworks WS) model builds and Colombo Port City Infrastructure design (Bentley WaterCAD, Hammer, QGIS) integrating water, waste water, storm water, fire and irrigation systems with road design and landscaping teams.</p>
<p>April 2015 to August 2015 NRW Specialists Kuching, Malaysia</p>	<p>Produced report and validated model to provide operational support during treatment works upgrade for system supplying approximately 450 Ml/d. Updated Bentley WaterGEMS model from Bentley Water GIS to include new trunk mains and district metering. Carried out trunk main flow and pressure measurement.</p>
<p>June 2015 NRW Specialists Nauru</p>	<p>Desktop design of new distribution system for costing purposes. Produced detailed report and model quantifying distribution main, service pipe, reservoir and pump requirements for island nation of Nauru.</p>
<p>August 2014 Aizawl, Mizoram, India</p>	<p>Assessed effectiveness of water supply component of ADB funded project. Worked with the local PHED and SIPMIU staff. Studied available project documentation including ADB project reports and aide memoires.</p>
<p>June 2014 Safage Sharjah, UAE</p>	<p>Assisted with Bentley WaterGEMS model build and calibration.</p>
<p>August 2011 to May 2013 MWH Pune, India and Erzurum, Turkey</p>	<p>MWH Technical Manager for clean water networks team of 15 to 20 local engineers in Pune, India, delivering multiple simultaneous design projects for MWH globally. Projects included Thames Water Victorian Mains Replacement (VMR), Crossrail (mains shut planning), Barrow Hill Pressure Management, Thames Water GIS Update, Yorkshire Water Model Calibration, Northumbrian Water trunk mains cleaning, United Utilities and Welsh Water modelling, Erzurum water supply project.</p>
<p>March 2010 to July 2011 MWH UK</p>	<p>MWH Optimise CDM Designer and Technical Lead for Thames Water AMP5 Victorian Mains Replacement (VMR) Programme. Lead geographically dispersed multi-disciplined team of up to 20 staff on pipe replacement design projects generating an AMP5 Year 1 spend of GB£17m. Included model build and calibration, optimised design, production of Construction Drawings and BOQs. Coordinated inputs from environmental, archaeological, health and safety and third party teams. Worked closely with construction management and construction planning teams. Business analyst for development of in-house software to aid production of construction drawings and BOQs.</p>

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<p>Nov 2007 to Nov 2009 MWH UK</p>	<p>MWH Principal Engineer for water networks for Scotland. Technical Lead for Scottish Water Infrastructure Risk Management project to derive capital investment needs for SR10. This project examined the probability and consequence of failure of every clean water pipe in Scotland and derived individual pipe replacement requirements necessary to achieve Scottish Water's serviceability targets. Used Big Data statistics techniques.</p> <p>Technical Lead for DW5 Iron and Manganese water quality investigations for 32 areas to determine SR10 investments needed.</p>
<p>May 2006 to June 2007 Louis Berger Uzbekistan</p>	<p>Team Leader and Project Manager for the development of Network Information System and Hydraulic Network Modelling plans for the World Bank funded Bukhara and Samarkand Water Supply Projects. Based in Tashkent, Bukhara and Samarkand, this included capacity building of the local water companies (Vodokanals) in Bukhara and Samarkand. Contract value US\$ 1m. Supervised project finances, project accounting, client invoicing and equipment imports. Liaised with several Clients, other Consultants and World Bank staff.</p>
<p>June 2003 to August 2004 Rosebert India and Thailand</p>	<p>Bangalore Water Loss Reduction Pilot Project. Network modelling, GIS and IT expert. PPP. Worked with Thames Water International expat and local staff and Larson and Toubro construction staff to reduce water losses and establish district metering. Procured and setup office servers, desktops and network. Trained local staff in network modelling and GIS, supervised GIS update and network model building. Trained and instructed expat and local staff in field work and setting up of district metering under intermittent water supply regime.</p>
<p>Jan 1996 to July 2002 Black & Veatch Thailand and Armenia</p>	<p>Technical expert for four year performance related loss reduction contracts for Nonthaburi and Sukhumvit branches of MWA, Bangkok. PPP. Supervised network modelling and GIS and district metering design. Procured and managed all IT for three project offices including networking, Windows Servers, custom stores system on SQL server and two IT staff.</p> <p>West of Bangkok Supply Project for Thames Water International. Team Leader and modeller. Produced demand studies and outline designs for 112 km of trunk mains for a new 300 MI/d treatment plant.</p> <p>Pathum Thani – Rangsit Non Revenue Water Project for Thames water International. Project manager, network modeller and GIS advisor. Provided all necessary network modelling assistance to field teams setting up District Meter Areas (DMAs) and step test areas over 18 month period. Established baseline system pressures and leakage levels. Designed and produced DMA information packs as DMAs were set up.</p> <p>Davitashen and Physics Institute Water Supply Improvements - Network Modeller and GIS advisor. Oversaw initial development of GIS system, built network models and designed district metering and pressure reduction schemes to help control and reduce leakage. This work was carried out in local offices in Yerevan, Armenia in March and April 1999</p> <p>Pathum Thani – Rangsit Loss Reduction Strategy for PWA, Thailand. Technical lead responsible for model build, calibration and district metering design.</p> <p>Pathum Thani Water Supply Project. Technical Lead. Responsible for outline and detailed design of new bulk and local distribution systems in Thailand for Thames Water International to supply water from a new 288 MI/d capacity treatment plant to new and existing customers via three new service reservoirs. This included a detailed demand study.</p>

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<p>1995 Binnie & Partners, Binnie Black & Veatch Amman, Jordan</p>	<p>Zarqa and Rusaifa Water Supply Project. Technical Expert. JICA funded. Directed leakage investigations in pilot areas and trained local staff in approach to leakage management and use of equipment as part of a network reinforcement scheme for a 20 year development programme in Amman, Jordan. Built a network model of the existing system (Watnet 5 software) which fed half a million people and designed new reservoirs and a trunk main system with pressure zones and district metering areas for a forecast population of 950,000.</p>
<p>1990 - 1995 Binnie & Partners UK</p>	<p>Thanet and Medway network analysis project (1990-1995) - Network Modeller and Project Manager for construction, analysis and usage of 41 computer network models for Southern Water Kent Division's distribution and trunk main systems covering a population of 750,000. Based in the client's offices, this project included the full on the job training and supervision of Southern Water staff, Binnie & Partners' staff and temporary staff, undertaking: fieldwork, analysis of fieldwork results, model building, calibrating, updating and model usage for predictive purposes, problem solving and network design</p>
<p>Binnie & Partners 1988 - 1990 UK</p> <p>Various jobs as graduate engineer</p>	<p>Preparation of a specification for Thames Water for a hydraulic model test for Greenwich sewage pumping station.</p> <p>Preliminary specification writing for Thames Water for the refurbishment of Henley sewage treatment works.</p> <p>Final preparation of Tyttenhanger pumping station mechanical, electrical and ICA documents and drawings for Lee Valley Water Company.</p> <p>Preliminary surge analysis on pipelines from Essendon pumping station for Lee Valley Water Company using an in-house computer program. Base data prepared using Watnet network analysis software.</p> <p>Execution of all field work for the calibration of the Chorlesbury zone computer network model (loss reduction) for Rickmansworth Water Company with design changes to improve system. This involved using Spectrascan software and logging equipment and Kent pulsar units and Quadrina turbine flow meters and included the levelling of all pressure sensing points.</p> <p>Full design and development of departmental computer system for project management and staff loading including the writing of all programs. Used Supercalc spreadsheet macro language.</p> <p>Leakage study of Hanningfield and Southend networks for Essex Water Company. This involved extensive use of computer based water network models for the design of a district metering set-up. Used Watnet 3 network analysis software to design district meter areas. September 1988 to May 1989.</p>

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