

RESUME WORLD INC.

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PROFESSIONAL PROFILE

10 years of Civil Engineering experience together with an **M.Eng. (Environmental) Degree, a B.Eng. (Civil) Degree**, an AutoCAD diploma and a Project Management Certificate. **Experienced in providing engineering advisory services, construction of water infrastructure and project management.** Solid knowledge of environmental engineering, including risk assessment, hazardous waste management, site remediation construction of potable water lines and water treatment methods. Ability to use engineering principles to solve complex, practical problems and help maintain a balance between the environment, the use of water, and the regulatory obligations for industry, government agencies, and the public.

A resourceful and result-oriented team player with integrity, professionalism and personal presence that earn respect and inspire cooperation. Possess excellent communication, interpersonal and decision-making skills together with a positive approach to problem solving.

SKILLS AND KNOWLEDGE ACQUIRED THROUGH EXPERIENCE & TRAINING

- **Membrane technology** – researched the presence of pesticides in drinking water in many areas of Ontario and USA; two designs were proposed to remove pesticides from drinking water economically and bring pesticide contents well within allowable limits, one for residential use and the other for treating both ground water and surface water. Completed final project on *“Removal of pesticides from drinking water using PAC/GAC and membrane filtration”*
- **Water and wastewater treatment** - risks and potentials in wastewater treatment and advanced technologies used in water treatment and reuse. Completed term project on *“Coagulation as a pre-treatment improving ultrafiltration performance in surface water treatment”*
- **Water pollution control planning** - methods of developing area-wide pollution control plans and sustainable use plans in Ontario and elsewhere. Examined quantitative and non-quantitative information in the context of planning. Completed term project on *“Pesticide control in drinking water using membrane”*
- **Geographic Information System (GIS)** - techniques of manipulating and displaying spatial data using a GIS and the Arc View database. Mappings such as scale, co-ordinate systems, map projections, symbolization and vector data encoding; use of raster and vector-based GISs to analyze spatial data. Term project: *Applied GIS to calculate the average annual soil erosion within the City of Guelph*
- **Systems modeling and simulation** – use of engineering systems, model development methods such as ordinary and partial differential equation models, hybrid and heuristic rule-based models. Analytical techniques using periodic, transient and random excitation inputs. Digital simulation of systems for design and control using software such as VisSim, METLAB, and STELLA. Completed project on *“The effect of unexpected increase of influent water on cstrs in series”*
- **Industrial waste water management** - industrial waste management, its generation, possible treatment methods and Ontario non hazardous waste Statutes and Regulations. Municipal recycling and waste minimization programs with emphasis on the development and design of programs that collect wastes generated in the Industrial, Commercial and Institutional sectors. Prepared and delivered a presentation on *“Reuse of Waste Water in the Semiconductor Industry”*
- **Risk assessment on water resources** - vulnerability of water supply systems, risk management, analytical detection & risk assessment methods (incl. dose-response models, survival analysis, risk analysis, estimating methods for zero risk, trend analysis, survey of models for assessing risk). Project: *“Application of USLE equation to manage soil erosion in Waterloo, Ontario”*
- **Engineering Seminars & Presentation** – prepared and delivered technical presentations. Wrote critiques on technical seminars and conducted three seminars, presenting technical material to an audience consisting of faculty and graduate students on *“Fouling in Water Treatment”*

EMPLOYMENT EXPERIENCE

MANDROUSE ENGINEERING CONSTRUCTION, Calgary, Alberta

Jun 2004 – Sep 2007

Resident Engineer

Ensured conformance to quality, performance, safety and code requirements by overseeing the construction of a \$35 million design and build project for the City of Windsor

- Participated in design meetings, coordinated site activities with the superintendent and the design team, hosted meetings with the sub trades, and held safety talks for site workers and sub trades
- Performed onsite verification to ensure design specifications and code requirements were met; inspected all the rebars prior to the inspections from the external agencies
- Took seismographic and Tell-Tale readings from a seismograph installed at a nearby 150 years old Anglican Church during sheet piling activities at the construction site

NATIONAL CONTRACTING CO., Dubai

Feb 1997 - Dec 2004

Business Development Manager

Progressed from the position of Project Engineer to Business Development Manager with responsibility for over five engineers and the management of several projects simultaneously

- Led the development team of an "Excellent Grade" Civil contracting company in the Sultanate of Oman in several successful technical contract negotiations
- Maintained excellent relationships with public and private sector clients resulting in valuable information on upcoming projects and other business development opportunities
- Coordinated the tender process with project engineers and consultants to ensure competitive and profitable bids and represented the company in meetings involving negotiations and tendering
- Member of the Strategy Development team responsible for developing strategic action plans to support sustainable fiscal revenue growth

WYB CONTRACTORS, Dubai

Jan 1996 - Jan 1997

Plumbing Engineer

- Worked on potable water lines and was in charge of the 1000mm DI line extension - 16km, in Sur, Oman; performed thorough reconnaissance study and proposed DI lines instead of conventional HDPE or MDPE pipes due to the rough terrains; successfully presented proposal to the client, prepared schedule for project execution and completed the job – 1996
- Led the emergency crew in the maintenance of potable water lines for the Ministry of Electricity
- Assessed the material, quantity and cost to meet the contract specifications for maximum profitability

MOZUMBIE TRADING AND CONTRACTING, Dubai

Jun 1994 - Dec 1995

Project Engineer

- Managed several multi-million dollar projects including the design and construction a Tanker point at Ghala, Muscat

EDUCATION/PROFESSIONAL DEVELOPMENT**M.Eng. (Environmental Degree)**, UNIVERSITY OF WATERLOO, Waterloo, Ontario 2008**Certificate (Project Management)**, CENTENNIAL COLLEGE, Toronto, Ontario 2007**Diploma (AutoCAD)**, AUTODESK INC., USA 2005**B.Eng. (Civil) Degree**, BANGALORE UNIVERSITY, Bangalore, India 1992**PROFESSIONAL AFFILIATION**

- Member of Project Management Institute (PMI), USA

REFERENCES

- Available upon request