STEVEN JOHN GARLINGE

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KODA

SUMMARY

Experienced engineer with executive MBA and a career exceeding 15 years in the tunneling, construction, mining and transportation sectors encompassing significant exposure to business development, project management, innovation, research and development, technology management and education.

An effective and credible leader/manager with a proven ability of strategic business development to acquire, maintain and deliver excellent value to profit and growth generating clients.

STRENGTHS AND SKILLS

Excellent analytical and technical skills, infused with strong business acumen, providing ability to move between fine and broad detail to achieve project and business objectives.

- Highly skilled in the management and execution of technically complex projects in politically and commercially risky environments; particularly when involving high degrees of technical uncertainty.
- Business development and management, including establishment of new business units within existing organizations allowing the business to develop and exploit a unique and valuable niche.
- Highly successful approach to idea generation, selection and transformation into market redefining, innovative solutions.
- Significant experience in tendering for construction and engineering projects across various contractual models including alliancing, early contractor involvement, design and construct.
- Strong leader, collaborator, mentor and partner with particular experience operating in matrix organizations.
- Direct, honest and clear communicator.
- Highly proficient web, desktop and database programmer for engineering, communications and business applications.

EDUCATION

MBA, Executive Program   2009-2011
University of New South Wales,   Sydney, Australia
Australian Graduate School of Management

Bachelor of Engineering, Geomatic   1997-2000
University of New South Wales   Sydney, Australia
Undergraduate School of Engineering
Graduated with First Class Honors

PROFESSIONAL EXPERIENCE

KODA Engineering LLC   Austin, TX, USA

A global software, technology and consultancy start-up, servicing tunnelling, construction, mining sectors.

Owner/Senior Engineer   November 2014 (Current)

Exciting blend of business development and consulting. Currently focussing on the development of a suite of integrated solutions for underground navigation, monitoring and surveying.

Lynton Surveys Pty Ltd   Sydney, Australia

Privately held surveying and engineering firm, providing professional services to tunneling, construction, mining and transportation industries.

Innovation Manager   July 2013 – July 2014

Worked closely with internal clients and suppliers to reinvigorate the organization's technology platform, systems, people and processes to support continued growth and success of the business.

- Reinvigorated flameproof guidance system business line through extensive redesign of software and hardware components to minimize reliance on two difficult sub-contractors and for greater reliability, successfully acquiring $0.75M dollars of revenue. System developed is world's first fully flameproof roadheader guidance system.
- Following extensive consultation with users and implementers, redesigned workflow, data processing, reporting and training system; capturing an additional 10% profit for a key project.
- Undertook critical review of current technology and systems and ability to support short- and medium-term strategic objectives. Furthermore, implemented multiple internal initiatives for capability development focused on development of human capital.

Business Unit Manager   2007 – Nov 2012

As manager of Lynton Solutions, continued to develop the business from its technical underpinnings to a full Profit and Loss report; leading business development, tendering, costing, project management, research and development and management of sub-contracts.

- Managed portfolio of over 20 active projects with technical, geographic and scale diversity, achieving 100% client retention, excellent client referral history and conformance to project budgets.
- Acquired and developed strong and diversified client base across mining, transportation and construction sectors including blue-chip and government clients such as: BHPBilliton, GlencoreXstrata, RailCorp, RTA, John Holland, Thiess.

Senior Geomatic Engineer   2003 – 2007

Formed and managed the Solutions business unit with primary responsibility of business capability development and establishment of a position of technical leadership within the organization and industry in monitoring and automation fields.

- Designed and implemented automated monitoring systems for high-rise buildings and railway tunnel monitoring in Sydney CBD. Successful execution of this project required collaboration across several instrumentation suppliers, communications providers, web services and custom hardware manufacturers.
- Conceptualized and scoped web data system, ultimately appointing and supervising web designer for prototype site.
- Designed and implemented roadheader guidance systems on 6 tunneling machines dramatically improving excavation process across safety, quality and productivity measures for the CrossCity Tunnel project.
- Following extensive technical consultation with Project Surveyors, developed software for quality assurance and productivity improvement which saved 5 man-hours per week per employee.

Geomatic Engineer: Project   2002 – 2003

Appointed as head surveyor for AU$30M tunneling project. Responsible for project survey control, as-built records, design refinement and machine guidance.

Design, programming, technical development and implementation of TBM guidance system resulting in 99% tunneling conformance along 3km long project beneath Sydney.

- Programmed tunnel conformance software which formalized and streamlined this process across entire organization. The software is still used by organization on tunneling and shaft sinking projects.
- Member of CrossCity Tunnel tender team; resulting in appointment as principal surveying contractor. Primary responsibility during tender was to provide cohesive and technically superior monitoring and roadheader guidance systems for collaborative development with principal contractor leading up to and during project execution.

Graduate Geomatic Engineer   2000 – 2002

Provided spatial positioning services for several large construction projects.

- Initiated and managed several engineering system developments including borehole endpoint prediction software using collar surveys and dip and strike readings from bore logs.
- Enhanced efficiency and accuracy of information provided to clients by improving data collection techniques and formalizing reporting formats.

University of New South Wales   Sydney, Australia

UNSW is one of Australia's leading research and teaching universities and the university-of-choice for more than 50,000 students.

Part-time Lecturer   Jan 2011 – July 2014

Part-time lecturer for School of Surveying and Spatial Information Systems for:
- Surveying Applications (technology, advanced applications, innovative techniques)
- Survey Business Management (project, value and risk management)

Drilling Advisory & Logistics Corp   Manila, Philippines

The Philippine's exclusive distributor for Slope Indicator products.

Consultant Engineer   April 2013 – Oct 2013

Provided specialist engineering, programming and training services for the installation and commissioning of early warning slope stability systems at EDC's (Energy Development Corporation) Leyte site.

THESIS CO-SUPERVISION/MENTORING EXPERIENCE

University of NSW, Undergraduate School of Engineering   Sydney, Australia
Luke Pearce 2004, Matthew Behling 2012, Peter Boorer 2014, Alex Rowell 2014

PUBLICATIONS/PAPERS

2014: Challenges of Large Scale Rail and Road Monitoring at Douglas Park and Tahmoor, Mine Subsidence Technical Society

2012: Real-time Monitoring of Rail Track Adjacent to Deep Excavation, Australia-New Zealand conference on geomechanics

2011: Continuous Monitoring of Longwall Undermining at Blakefield South LW1, Mine Subsidence Technical Society

2010: Continuous Monitoring of Longwall Undermining at Mt Owen Mine, FIG Congress

2000: Survey Network Software Modification Thesis, School of Surveying and Spatial Information Systems, UNSW

AWARDS

- NSW Institute of Surveyors Young Surveyor of the Year 2003
- Hatch Engineering Prize
- Land Info Prize
- Institute of Surveyors Scholarship

- Board of Surveyors Gold Medal
- R. S. Mather Memorial Prize
- School of Geomatic Engineering Prize
- Full University Fee Scholarship