

KEN GEANGE

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A proven leader who excels in motivating and inspiring people to reach their potential. A dynamic, successful technology advocate who applies his knowledge and experience to build exciting companies, products and solutions.

HIGHLIGHTS OF EXPERIENCE

- Seasoned Enterprise and Mobile Software Architect with a comprehensive software engineering background
- Experienced in building and leading software teams and implementing engineering best practices
- Skilled in Product Management
- Extensive Project Management expertise
- Successful in developing a web based platform and delivering it as a service to the market
- Integral in transforming a small business into a worldwide corporation

PROFESSIONAL EXPERIENCE

xTarah Solutions

Victoria, BC

2006 - Present

Owner

xTarah Solutions has diverse and in-depth mobile development knowledge and has provided solutions across many industries including telecommunications, transportation, tourism and industrial automation.

Accomplishments

- ✓ Consulted on a multi-year project with Sherwin Williams to automate eight of their largest paint manufacturing facilities.
- ✓ Implemented an iOS based flight data entry application to allow pilots to capture and utilize flight planning information.
- ✓ Implemented a 3D iOS Flight Simulator game for iOS using OpenGL ES. Was published on Apple's App Store as Sky Buster.
- ✓ Implemented an iOS and Android based app called Field Data Entry to allow users to capture and utilize Oil and Gas reading while in the field. Published on the Apple App Store and Google Play Store.
- ✓ Implemented an Airport Taxi app for iOS using OpenGL ES where users could load, pan, zoom, and rotate the map in 3D.
- ✓ Implemented various Augmented Reality prototypes utilizing AR Tags, GPS, Parallel Tracking and Mapping, and OpenCV.
- ✓ Implemented an Arduino based remote control and autonomous aerial drone using the open source MultiWii platform
- ✓ Implemented an Arduino based remote control and autonomous aerial drone using the AR.Drone platform
- ✓ Created a geographic processing workflow to capture and convert data (gps, telemetry, photos) from a drone into geographic data (orthophotos, point clouds, textured digital surface models, digital elevation models)

WebTech Wireless Inc.

Burnaby, BC

2000 - 2006

Director, Engineering

Director, Software Development / Product Management

Manager, Software Development

Team Lead, Software Development

WebTech Wireless develops, manufactures and delivers proven GPS vehicle tracking and Telematic solutions to large and small-scale commercial fleets and consumer vehicles around the world.

Accomplishments

- ✓ Selected, mentored and lead an effective Software Engineering team and instilled best practices for the software development lifecycle. Defined team objectives and goals, and monitored progress.
- ✓ Designed, developed, enhanced and maintained WebTech's Fleet Management Portal, related technologies (Vehicle Locator, Mobile Data Terminal, PDA software) and support systems (management reports, maintenance tools and procedures)
- ✓ Utilized various mapping technologies (ArcGIS, MapObjects, SDE, MapPoint.Net) to offer innovative, competitive solutions,
- ✓ Implemented operational systems to streamline the Engineering team's function (issue tracking tool, feature request tool, computer inventory/support system, source code management)
- ✓ Fostered relationships and alliances with technology partners and negotiated with vendors
- ✓ Defined product requirement specifications, product feature descriptions, assigned priorities and managed product launch schedules and tasks
- ✓ Trained Sales team on product benefits, and assisted with product literature, RFPs, and customer demonstrations.
- ✓ Strategized with company executives regarding company and product direction

Global Carrier Technology Inc.

1994 – 1999

Vancouver, BC

Director, Research & Development Manager, Software Development

Global Carrier Technologies developed and delivered GPS vehicle tracking and dispatch operations software for the long haul transportation market in North America with over 30 site installations.

Accomplishments

- ✓ Developed and supported a dispatch system and an industry-first online GPS Vehicle Tracking System using ESRI's ArcIMS
- ✓ Hired the teams to build, maintain and support the products.
- ✓ Implemented procedures and tools to build an effective software team
- ✓ Managed system installations, training and project rollout for large customer projects
- ✓ Provided technical support to customers via phone or on site visits
- ✓ Worked with satellite communication partner (Infosat) to launch product
- ✓ Demonstrated the product at various industry trade shows

OTHER WORK EXPERIENCE

zedIT Solutions St. John's, NL	Solution Architect, Senior Consultant	2009 - 2011
eMobile Data Inc. Richmond, BC	Senior Software Developer (Java, XML/XSL)	1999 - 2000
SortWeb Inc. Vancouver, BC	Senior Software Developer (Java, XML/XSL, Visual Basic)	1999
Victoria Public Library Victoria, BC	Computer Operator / Programmer (UNIX, C)	1992-1993

SKILLS & KNOWLEDGE

Modelling: UML 2.0, Visio, Enterprise Architect
Project Management: MS Project
Programming: Java (JSP, Servlet, Spring, Hibernate), Objective C, C/C++, GCC, C#, Visual Basic, ASP.Net MVC
Web Programming: Javascript (Node.js, D3.js, Bootstrap.js, ReactJS, Angular 2/4, Express), Python, Django, Perl, PHP, XML, JSON
Application Servers / Web Hosting: AWS, Google Cloud, GoDaddy, Apache/Tomcat, JBoss, IBM WebSphere, IIS
Database: Cassandra, MongoDB, MySQL, PostgreSQL, Oracle, SQLServer
Mobile: iPhone iOS 3.0 to 9.x, Android 2.0 to 6.x, Palm Pre WebOS 1.4, Windows Mobile (5.0, 6.0)
GIS / CAD: QGIS, Leaflet.js, D3.js, AutoCAD, ArcGIS, ArcObjects, ArcSDE, ArcView
3D / Graphics: Maya, Blender, Photoshop CS6, Quartz Composer, OpenGL, OpenGL ES, GLSL, Apple SceneKit, OpenCV
Operating Systems: Mac OSX, Linux (Arch, Mint, Ubuntu, Fedora), Windows, UNIX (HP/UX, Solaris)
Hardware: Arduino, RaspberryPi

EDUCATION

British Columbia Institute of Technology

Burnaby, BC

Geographical Information Systems Diploma

1993 – 1994

Computer Systems Technology Diploma, Decision Support Systems

1989 – 1992