

*Seeking a senior software development position with a focus on team leadership, architecture design, and project management.*

## Summary

- Proven leadership of large-scale enterprise and web software projects
- Software project management and resource scheduling using Agile methodology
- Full life-cycle development with engineering, marketing, and IT experience
- Development with a wide range of frameworks and programming languages
- Techniques for creating scalable, maintainable applications

## Education

Apr 2003 **B.Sc. Computer Engineering**, *University of Alberta*, Edmonton.

- Projects including environment-mapping robot, audio effects hardware, high-speed bump mapping
- Received Dean's Research Award, Golden Geer Award

## Associations

2003–present **APEGGA**, *Engineer in Training*.

- pursuing Professional Engineer designation

2005–2008 **International Game Developers Association**, *Member*.

## Experience

Jan 2010 – present **Senior Systems Analyst (Contract)**, *Athabasca University*, Edmonton AB.

- Planned project milestones and tasks using Agile methods
- Integrated social networking and courseware applications with enterprise systems
- Designed architecture for large-scale data archive and records processing systems
- Worked with stakeholders, QA, and IT to develop requirements and goals
- Designed and managed setup of new development environments

Oct 2008 – Dec 2009 **Web Development Manager**, *BioWare/Electronic Arts*, Edmonton AB.

- Managed daily tasks and scheduling for team of 3 developers
- Delivered large-scale social networking website on-time and on-budget
- Migrated website content to new distribution network, saving \$10k per month
- Mentored junior team members in development techniques and day-to-day work
- Coordinated outsourcers and agencies to develop multiple AAA game websites
- Designed architecture to integrate websites with game progress, achievements, and telemetry
- Designed and managed setup of new web hosting environment in EA data centers
- Presented plans, progress, and schedules to stakeholders

- Dec 2007 – Oct 2008 **Senior Systems Developer, BioWare/Electronic Arts, Edmonton AB.**
- Scheduled tasks for development team, reporting directly to Director of IT
  - Designed and implemented robust deployment process and supporting software
  - Introduced agile development, code reviews, unit tests, and aggressive branching
  - Migrated application development to modern MVC framework (cakePHP)
  - Designed and developed new business applications in PHP, and Perl
  - Integrated existing applications with EA systems and processes
  - Developed documentation repository and trained new team members
- May 2005 – Nov 2007 **Systems Developer, BioWare, Edmonton AB.**
- Designed and implemented applications including performance review tool and vacation tracker
  - Refactored external web site framework to scale to millions of queries per day
  - Implemented unit testing tools for test-driven development
  - Extended functionality of e-commerce site
  - Developed APIs for web applications using SOAP and WSDL
- Aug 2004 – Jan 2005 **Software Development Engineer (contract), Amazon.com, Seattle WA.**
- Extended functionality of customer data web service using C++ and CORBA
  - Worked with regional teams to determine holiday scaling needs
  - Managed deployment of new servers to handle increased load
  - Created and deployed new monitoring scripts for critical systems
  - Interfaced back-end C++/Perl web services with website front-end
  - Triaged backlog tasks, implemented critical bugfixes
  - Debugged network bottlenecks and systemic bugs
- Nov 2003 – Aug 2004 **Process Applications Engineer, Matrikon, Edmonton AB.**
- Developed plant management applications using C# and .NET
  - Debugged and fixed networking and data acquisition software
  - Worked with clients to plan and design new UI screens
  - Wrote automation tools for QA testing and data validation
  - Created training materials for clients

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## Technical Details

Languages	Perl, PHP, Python, C++, Java, C#, Ruby, M68k
Databases	MySQL, Oracle 8/9, SQL Server, PostgreSQL
Frameworks	.NET, CakePHP, Catalyst, Drupal, Rails, QT
Version Control	Perforce, Subversion, Git, Bazaar, CVS
Tools	UML, DevTrack, Lighthouse, Komodo, Eclipse, Visual Studio
Esoteric	Befunge, Malbolge, Parrot

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## Miscellaneous

Portfolio	website portfolio available at <a href="http://www.imaginaryrobots.net/portfolio/">http://www.imaginaryrobots.net/portfolio/</a>
Interests	Martial arts, painting, archery, bass guitar, foosball
Languages	Native English speaker, intermediate level French, beginner level Japanese and Spanish
Colophon	This résumé generated using $\LaTeX$
References	Available upon request