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Adam Lawrence

Objective

I'm looking for a senior Software Engineering / Programming position where I can create full featured software with clean, simple and efficient code, and continue to learn new languages and technologies.

Professional Experience

2018 Mar - present CGI Senior Java Developer	Updated twenty enterprise Java applications to modern Java standards for the BC Ministry of Health <ul style="list-style-type: none">• OpenJdk, JSP, JDBC, Oracle• Consolidated common libraries into a new corporate maven repository• Integrated Payara application server with many existing data sources like legacy LDAP servers and custom Authentication modules• some enterprise architecture planning for the BC Ministry of Education as well
2005-present raceweb.ca Owner / Operator	conceived of and developed raceweb.ca which provides a range of services to endurance athletes including an annual triathlon, cycling and running race. The site is being re-branded into a race results visualization service. <ul style="list-style-type: none">• Ruby on Rails, PostgreSQL• designed and developed an application to track multiple events, athletes, volunteers, race reviews, photos and results and made it available to other race directors as a service.• race director for the Cadboro Bay Triathlon, Sidney Twilight Grand Prix and Layritz Trail Pursuit, including recruitment of athletes, volunteers and sponsors
2015 Mar – 2017 Jun Varsity Tutors Software Engineer	Developed and maintained software to connect students with experts in various fields <ul style="list-style-type: none">• Refactored the learning experience tools into its own application• Implemented session recording and other primary features• helped upgrade a monolithic application from Ruby on Rails 3 to 5.1• Helped improve and maintain the software that analyzes performance and adjusts spending for google and bing advertising
2013 Mar – 2015 Mar RevenueWire Senior Software Developer	Developed and maintained an enterprise payment processing platform <ul style="list-style-type: none">• Designed and implemented a plugin architecture and implemented sample plugins for piwik, optimizely,

	<ul style="list-style-type: none"> and mailchimp Helped to design, then solely implemented coupon functionality migrated functionality from legacy PHP with no MVC framework to Zend framework 3
<p>2011 Aug – 2012 Oct Perforce Senior Software Developer</p>	<p>Developed an enterprise web content management platform using Perforce's commercial version control system as a document based data store (instead of a RDBMS).</p> <ul style="list-style-type: none"> PHP Zend framework, Dojo, PHPUnit Test Driven Development and Scrum
<p>2009-2011 Aug ENXsuite Java Team Lead</p>	<p>Developed an enterprise online accounting and reporting application for tracking carbon emissions, energy use and other sustainability metrics such as water and waste. Clients include several fortune 500 companies in defense, manufacturing, finance and other sectors.</p> <ul style="list-style-type: none"> Java EE, Restlet, Extjs, Spring, JSP, JSON, MYSQL, Junit, Maven designed and developed several integration points for acquiring data from external systems. Web services and asynchronous processing supervised a team of four developers, delegated tasks and performed code reviews
<p>2007 Jul – 2008 Feb BC Pensions Corporation Senior Java Developer (contractor)</p>	<p>Developed a full online registration system for client education including public facing and staff administration components.</p> <ul style="list-style-type: none"> Java EE, Struts, Oracle Portal, JSP, JDBC, PL/SQL, JUnit developed and unit tested application modules from existing specifications use of standard J2EE patterns such as Façade, DAO, Composite Entity and DTO support for significant rewriting of specifications during the development phase tight integration with business analysts, code movers and testers
<p>2006 Apr - 2007 Jul CGI Senior Java Developer</p>	<p>Designed, developed, maintained and documented web based database applications for the Ministry of Health, Ministry of Forests, Ministry of Environment and Health Canada.</p> <ul style="list-style-type: none"> Java EE, Struts, JSP, JDBC, Oracle, JUnit requirements gathering with ministry staff and design as part of a team development, unit testing and full documentation of application modules using standard J2EE patterns such as DAO, Façade and Service Locator
<p>2004-2006 Mar Municipal Software Application Developer</p>	<p>Developed applications for municipal governments including Miami Florida. Features included planning, permitting, code enforcement and inspection scheduling.</p>
<p>2003-2004 Fujitsu Consulting</p>	<p>Developed change of address, municipal business license, and BCeID authentication modules for a web application</p>

Java developer (contractor)	(called OneStop) for the Provincial government of British Columbia to provide services for business owners. <ul style="list-style-type: none"> • Java EE, Struts, JSP, Oracle, TopLink, XML, JUnit • hired as a resource for developers who were less experienced with Java and Struts
2002 Cisco Systems Technical Consultant	Helped develop a web portal to track training and competencies for Cisco's global sales force by providing advice on competency management business processes best practices and developing object-oriented prototype designs for Cisco developers.
1999 May – 2002 Dec Smartforce Senior Java Developer/Analyst	Team lead for six developers building and maintaining an enterprise web based competence management application. <ul style="list-style-type: none"> • J2EE, Servlets, JSP, JDBC, XML, Oracle, SQL Server • regular travel to client sites for installation and custom development purposes • employed UML design principles to develop large modules that needed to plug into a complex system • developed a resume processing sub-system • liaised with clients to define, prioritize, design and develop enhancement requests
1998 May – 1999 Jan Ministry of Aboriginal Affairs Coop Developer	University of Victoria Coop double work term <ul style="list-style-type: none"> • ministry intranet development and maintenance
1997 May – 1997 Sep Cyber Cafe Coop Developer	University of Victoria Coop work term <ul style="list-style-type: none"> • technical reference educational tools written with TCL/TK

Technical Expertise

Languages	Ruby, Java, Javascript, Python, Elixir, SQL, PHP, TCL/TK, Perl, XML, C, HTML/CSS, JSON
Databases / Data Stores	PostgreSQL, MySQL, MongoDB Redshift, SQLServer, Oracle
Web App Service Frameworks	Ruby on Rails, Sinatra, Zend, Django, Phoenix, Struts, Spring
Concepts / Methodologies	Object Oriented Software, Functional Programming, REST, Design Patterns, Test Driven Development, Database Design, Database Optimization, Scrum
Other Technologies	Source control: Git, Subversion, Perforce JS Frameworks: React, Angular, jQuery OSX Framework: Electron

Education

University of Victoria	B.Sc. computer science 2000
University of Victoria	B.Sc. biology and environmental studies, 1994

North Island College	Aquaculture technician certificate, 1995
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Volunteer Experience

Victoria Cycling Festival	recruiting and coordinating a team of volunteers to track registration and results for an annual two day cycling race including the Bastion Square Grand Prix (race director in 2007, 2008)
Prairie Inn Harriers	race photography, volunteer coordination, site setup and clean up for four to eight running races per year
Greater Victoria Green Team	invasive plant removal at several Victoria area parks
Swan Lake Nature Reserve	trail building, native plant restoration, digital mapping
Royal British Columbia Museum	fish and invertebrate collections, preparing collections to be loaned to researchers and updating historical database records

Other Interests

- tennis, road and mountain cycling, triathlons, and marathons
- photography, computer graphics including ray tracing and animation
- scuba diving (PADI divemaster certification)

References

Available on request. adamlawr@gmail.com