

OBJECTIVE-----

To contribute to the success of a team of smart people making great software with interesting technologies.

QUALIFICATIONS-----

- Well-rounded engineer with 10+ years of enterprise software development experience
- Software professional and computer science student who enjoys learning new technologies
- Self-motivated multi-tasker with strong organizational abilities
- Clear communicator who can work independently or with a team
- Experienced with high-traffic, customer-facing, client-server applications

TECHNOLOGIES-----

Programming Languages

Significant Experience: Java, Ruby, C++, Scala, Bash, SQL

Other: C, Scheme, SML, Prolog, JavaScript

Servers, Databases, Middleware

Tomcat, Jetty, ActiveMQ, Drools, MongoDB, Redis, MySQL

Operating Systems

Ubuntu, Debian, OSX

Conceptual Interests

Concurrency, Scalability, REST, Functional Programming

EMPLOYMENT-----

10/2010-present: *Senior Software Engineer, iWin Inc.* San Francisco, CA (*telecommuter*)

- Member of iWin Infrastructure team, providing scalable, available services to social games and web apps.
- Architect and developer of REST-based virtual item system servicing >1000rps / <5ms avg. response times
- Architect and developer of high-throughput analytics system utilizing Scala actors and ActiveMQ
- Architect and developer of a quest-based game engine utilizing Drools and MongoDB
- Maintainer of proprietary REST application development framework
- Responsible for project lifecycle from inception to production maintenance.

6/2008-10/2010: *Senior Software Engineer, Donovan Data Systems* New York, NY

- Architect of iDesk server tier; ported the application from proprietary RMI-based, RPC-style Java application framework to REST/Resource-Oriented GWT/Spring/Hibernate/JAX-RS stack.
- Architect and developer of 'iDesk Bridge' application, a key piece of software for DDS providing integration with ad-serving partners via SOAP-based web services using Apache Axis 1 and 2.
- Author of client and server-side Java code for the core products.
- Company expert on Java performance tuning and profiling
- Author of XSLT service converting client data into various formats for distribution via iDesk application.

1/2008-6/2008: *Senior Analyst Developer, Goldman Sachs Inc.* New York, NY

- Hands-on leader of multiple concurrent development projects; gathering requirements, designing and implementing software, performing production releases and providing post-release support for the Hedge Fund Strategies team.
 - Developed enhancements to the HFS external hedge fund manager tracking intranet Java application.
 - Designed and developed integration between division-wide alternative investment product repository and our team's application using SOAP-based web services using Java.
 - Designed and developed advanced database functionality including schema design, stored procedures, triggers and views.
 - Authored Ant build scripts for new applications.
- Provided on-call support to handle emergency production application issues.

4/2002-12/2007: *Senior Software Engineer, iWin Inc.* San Francisco, CA

- Designed, developed, enhanced and maintained major features of the multiple tiers of iWin's internet applications, including the data, logic and presentation layers. Many major, revenue-critical projects completed and released. To summarize a few...
 - Prototyped tech stack for migration of persistence and business logic from EJB2 to Spring & Hibernate.

- Designed and developed server-side component of proprietary DRM system.
- Designed and developed e-commerce systems including shopping cart, payment processing and digital product delivery.
- Lead team to perform major database restructuring to more flexibly support the sale of different product types using tried and true, fundamental relational DB design principles.
- Implemented various integrations with partner systems via Axis/SOAP.
- Proposed, prototyped and implemented Model 1 JSP architecture to Model 2 n-tiered Struts/EJB architecture conversion.
- Ensured good performance of web apps for 1 million unique visitors a month. Used solid design principles in the code as well as the in the database. Made extensive use of custom server-side caching mechanisms.
- Contributed to improvement of development practices and processes as well as the quality of code-base through regular housekeeping, documentation, re-factoring, and code reviews.
 - Authored extensive design documentation.
 - Participated in writing of developer's standards guide.
 - Conducted formal and informal code reviews (aka CVS log lurking).
 - Reviewed, documented and reported on standards adherence of whole web application code base.
- Provided assistance to coworkers by leveraging knowledge, experience and length of tenure with iWin in the aiding of solving of technical and business problems to complete development tasks and hit deadlines for releases.

3/2001-11/2001: *Software Engineer, Mindseye Inc.* Boston, MA (Short tenure due to layoffs of 90% of staff)

- Designed and developed shopping cart and purchase system for FAO Schwartz in Java on Macromedia Jrun using Servlets, Custom Tags, Java Beans and XML.
- Designed and developed Mindseye corporate website using ColdFusion and Java Beans.
- Sole Java server developer on staff. Responsible for design of all Java application components for all customers.

5/2000-2/2001: *Software Engineer, Tradeout Inc.* Boston, MA (Short tenure due to company failing)

- Worked in team to port TradeOut web systems application from an Active Server Pages architecture to and n-tiered distributed system architecture using J2EE APIs and Oracle 8i.
- Designed and developed Enterprise Java Beans (stateless session beans and BMP entity beans) components, Java Server Pages, Custom Tag Libraries and Servlets onto BEA WebLogic 5.1 application servers.
- Converted JSP architecture from Model I, page-centric pattern to a Model II MVC patterns.

5/1999-4/2000: Associate Consultant, **Computer Sciences Corporation** Boston MA

- As a JSP/Java Bean developer for a small internet job placement agency, worked in a team to port their web systems application from Perl scripts to a n-tier distributed system utilizing J2EE APIs and Oracle 8i in and MVC Model II architecture.
- As a Visual Basic developer, designed and developed a call center application using an MS Access database. The application provided the client management the ability to track issue progress within their onsite call center.

FREELANCE-----

I have worked with a variety of small businesses as a consultant. What follows is a subset of the companies for which I have built e-commerce applications in Ruby on Rails:

Eeboo Inc. <http://retail.eeboo.net/home>
 Lama Designs <http://www.lamadesigns.com>
 Suga Jewellery <http://www.sugajewelry.com>

EDUCATION-----

MSCS	New York University	2009-Current
BAS	Boston University	1994-1998

INTERESTS-----

Some Favorite Books

The Pragmatic Programmer, The Art of Unix Programming, Programming In Scala, Concurrency In Java, Effective C++

Memberships

NYU MACS, New York Scala Enthusiasts, Free Software Foundation, Electronic Frontier Foundation, NY Tech Meetup

Other

Proficient (barely) in Japanese, fiction lover, coffee snob...