

OBJECTIVE-----

I want to contribute to the success of a team of smart people making great software with exciting technologies.

QUALIFICATIONS-----

- Software engineer with over a decade of professional software development and a strong C.S. background
- Self-motivated multi-tasker with excellent organizational abilities
- Clear communicator who can work independently, lead or work within a team
- Experienced with high-traffic, customer-facing, client-server applications

TECHNOLOGIES-----

Programming Languages

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

Other: Scheme, Objective C, SML, Prolog, JavaScript, C

Enterprise Infrastructure

Tomcat, Jetty, Jboss, ActiveMQ, Drools, MongoDB, MySQL, Hadoop/MapReduce, AWS/EC2/S3/EMR

Operating Systems

Ubuntu/Debian, OS X

EXPERIENCE-----

2/2012-PRESENT: *Director of Engineering, Tapad*, New York, NY

- Leading team of 7 engineers to develop and maintain a distributed system servicing 300k QPS across several datacenters worldwide.

9/2012-12/2012: *Student, N.Y.U.* New York, NY (*full-time starting 9/2012*)

- Completed Master's Degree in Computer Science
- Example of recent coursework: 'MapReduce optimizations for small jobs with Hadoop'
<http://young-flower-4705.herokuapp.com/post/39049152669>

10/2010-8/2012: *Senior Software Engineer, iWin Inc.* San Francisco, CA (*telecommuter*)

- Member of iWin Platform team, providing multi-tenant services to social games and web apps.
- Architect and developer of REST-based virtual item sub-system with Java, MySQL and MongoDB.
- 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 multiple other 'platform' sub-systems.
- Maintainer of proprietary REST application development framework.
- Supported simultaneous game development cycles of multiple teams, balancing various feature requests
- Responsible for project lifecycle from inception to production maintenance, often leading teams.

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 RESTful GWT/Spring/Hibernate/JAX-RS stack.
- Architect and developer of 'iDesk Bridge' application, a key piece of software for DDS providing integration with multitude of ad-serving partners via SOAP-based web services using Apache Axis 1 and 2.
- Author of client and server-side Java code for a variety of core products.
- Responsible for Java performance analysis and tuning for various applications.
- Responsible for project lifecycle from inception to production maintenance, often leading teams.

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

- Hands-on leader of multiple concurrent development projects; gathering requirements, implementing software, performing production releases and providing 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 the HFS application using SOAP-based web services.
 - Designed and developed advanced database functionality including schema design, stored procedures,

- triggers and views.
 - o Designed team's development, build and deployment lifecycle
- Provided on-call support to handle emergency production application issues.
- Responsible for project lifecycle from inception to production maintenance, often leading teams.

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

- As employee #5 I helped grow the company to 100+
- 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...
 - o Prototyped tech stack for migration of persistence and business logic from EJB2 to Spring & Hibernate.
 - o Designed and developed server-side component of proprietary DRM system.
 - o Designed and developed e-commerce systems including shopping cart, payment processing and digital product delivery.
 - o 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.
 - o Implemented various integrations with partner systems via Axis/SOAP.
 - o 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.
 - o Authored extensive design documentation.
 - o Participated in writing of developer's standards guide.
 - o Conducted formal and informal code reviews (aka CVS log lurking).

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.

OTHER EXPERIENCE-----

09/2013-PRESENT: Teaching Assistant, NYU New York, NY

- Performed T.A. responsibilities for PAC I and Information Technology Projects.
- Prepared and performed lectures on various topics in Computer Science and Software Engineering.

04/2009-04/2010: Software Consultant, Eeboo, Inc New York, NY

- Eeboo is a children's toy company. They required an e-commerce application via which retailers could place bulk orders for their products.
- Implemented e-commerce application in Ruby on Rails and MySql.

There were a handful of other similar engagements with companies, for example: <http://www.sugajewelry.com/>

EDUCATION-----

MSCS New York University 2009-2012
 BAS Boston University 1995-1999

INTERESTS-----

Some Favorite Technical Books

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

Memberships

New York Scala Enthusiasts, Free Software Foundation, Electronic Frontier Foundation

Hobbies

Reading fiction, learning Japanese (jyozou ja arimasen), playing bass guitar