

John Baylor

Berkeley, CA

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OBJECTIVE A wide-ranging position building cutting-edge systems using agile development methods.

SUMMARY Software engineer with broad experience and excellent teamwork skills. Experienced with multiple software platforms, languages, and tools. Committed to creating robust, scalable software that is maintainable for the long term. Successful in handling difficult problems with persistence, creativity, and thorough analysis.

SKILLS Ruby, Elixir, JavaScript, HTML, CSS, shell tools, Perl, LISP, C++
TDD, Rails, Phoenix, React, JQuery, GitHub, Heroku
MD5, HMAC, DUKPT and other encryption algorithms and tools
Database queries and stored procedures on Postgres, Oracle, and MySQL

EMPLOYMENT HISTORY

December 2014 – Present Senior Software Engineer

Fond/AnyPerk San Francisco, CA

Technology: Ruby, Rails, Node, MySQL, TDD, RSpec, GitHub, AWS, Redis, Redshift

- Brought HR perks and rewards to small businesses with Fond.co.
 - Created personalized bulk emails and personalized home page for our users.
 - Built a data warehouse for our Data team.
 - Implemented and extended the AnyPerk web site and SlackBot.

November 2012 – November 2014 Senior Software Engineer

Razoo Global San Francisco, CA

Technology: Ruby, Rails, Kanban, TDD, MySQL, RSpec, GitHub, AWS, Redis

- Raised funds for 501c3 non-profits by extending and supporting razoo.com.
 - Practiced Kanban-style development with a mix of code reviews and pair programming.
 - Optimized the import of IRS 501(c)(3) data by 85% over the previous implementation.

April 2011 – November 2012 Senior Software Engineer

RPX San Francisco, CA

Technology: Ruby, Rails, Pairing, TDD, PostgreSQL, RSpec, GitHub, JQuery, Redis

- Iterated on test-driven features for the [members-only RPX site](http://members-only.rpx.com) and numerous internal web applications. Supported the production sites and ongoing cron jobs.
 - Pair programmed on-site at Pivotal Labs for my first two months with RPX; continued using much of the Pivotal methodology while at the RPX corporate office.
 - Worked with the product management team to write user stories and estimate development effort in order to continuously deliver improvements across multiple applications.
 - Wrote subsystems for integrating with a number of third-party data providers to import patent and litigation data. Extensively used Amazon's SQS, S3 and EC2 services.

Jan 2011 – Mar 2011 Senior Software Engineer

CatalogChoice.org Berkeley, CA

Technology: Ruby, Rails, MySQL, Cucumber, RSpec, PivotalTracker

- Added features to the front and back end of the CatalogChoice.org web site.
 - Implemented the front-end support for choosing a community-branded subdomain.
 - Added back-end support for community management and basic reporting.

Jan 2010 – Oct 2010 **Senior Software Engineer**
Aspera, Inc. **Emeryville, CA**
Technology: **Ruby, Rails, MySQL**

- Enhanced the enterprise-installed Aspera Console transfer management application.
 - Added reusable scheduling functionality for repeating reports and backups.
 - Extended reporting functionality with XLS, PDF and CSV output formats.
 - Integrated existing system backup functionality into the UI.

Feb 2008 – Jan 2010 **Senior Software Engineer**
WildPackets, Inc. **Walnut Creek, CA**
Technology: **Ruby, Rails, PostgreSQL**

- Took the lead on the Rails portion of the WatchPoint network analysis tool.
 - Used test driven development (TDD) to add application features in Ruby and JavaScript.

Jan 2001 - Oct 2007 **Senior Software Engineer**
PayByTouch/Indivos **San Francisco, CA**
Technology: **C++, C, Ruby, Rails**

- Team lead on the C++ client side of the Pay By Touch biometric system.
- Proposed and implemented Ruby-based projects for prototyping and testing our product lines.
 - Used test driven development process (TDD) to implement a major piece of functionality, simulating front-end POS interactions while also manipulating the back-end database.
 - Designed system extensions and implemented prototype applications using Ruby.
 - Built a Rails-based web application to expose monitoring data for production support.
 - Generated C++ and Java source code, and documentation, from Ruby and YAML.

Jul 1999 – Dec 2000 **Senior Software Engineer**
Cybergold.com **Oakland, CA**
Technology: **C++, Java, SQL Queries, Perl, Data Encryption**

- Executed on corporate goals of security and ubiquity via significant enhancements to the site.
 - Defined Cybergold's database security policy for storing passwords and credit-card numbers. Implemented it using password hashing and credit card encryption, in C++ and Java. As part of this security project, created database ETL scripts for batch processing of hashing and encryption.

Jun 1998 – Jul 1999 **Senior Software Engineer**
SkyDesk/AtBackup **Berkeley, CA**
Technology: **C++, Citrix, Win32 API**

- Researched future directions for the AtBackup company.
 - Prototyped and [patented](#) a system for copying a Windows user's applications and data for access via a web browser and Citrix server. This required extensive registry manipulation, drive mapping, NT domain user creation and fast restoration of encrypted and compressed files. This research was later incorporated into the company's SmartClone product.

Nov 1995 – May 1998 **Senior Software Engineer**
Advent Software **San Francisco, CA**
Technology: **C++, MFC, SQL Queries and Stored Procedures**

Feb 1986 – Nov 1995 **Software Engineer and Manager**
ViewStar **Alameda, CA**
Technology: **C++, C, LISP, Peripheral Devices and their APIs, Compression Algorithms**

EDUCATION Bachelors in Computer Science, University of California at San Diego, 1985
INTERESTS Swimming, blindfold chess, juggling, exploring technology.
PROJECTS [Periodic blog](#), [Twitter-Bot](#), [Poker Calculators](#), and [many learning experiments](#).