John Baylor

Berkeley, CA   john.baylor@gmail.com   510-418-8150

OBJECTIVE	A wide-ranging position building cutting-edge systems in Elixir or Ruby 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	Elixir, Ruby, JavaScript, HTML, CSS, shell tools, Perl, LISP, C++
	TDD, Rails, Phoenix, React, JQuery, GitHub, Postgres, MySQL
	MD5, HMAC, DUKPT and other encryption algorithms and tools

EMPLOYMENT HISTORY

August 2018 – July 2020   **Senior Software Engineer**
HotelTonight / Airbnb   San Francisco, CA
Technology: **Ruby, Rails, Terraform, AWS**

- ❖ Finance and Fraud Reduction for [HotelTonight](#)
  - Collected tax rates from Avalara for 20+ states to correctly pay taxes.
  - Added support for 2FA and Sift fraud detection
- ❖ Security and Site Reliability
  - Maintain site infrastructure: ELBs to ALBs, Fastly and Route53, S3, ECS, RDS.

November 2017 – May 2018   **Senior Software Engineer**
LeTote   San Francisco, CA
Technology: **Ruby, Rails, Elixir, TDD, RSpec, GitHub, AWS, Redis**

- ❖ Modified the [LeTote](#) clothing rental service for the Chinese joint venture
  - Extracted hard-coded US-specific integrations into adapters for CN-specific integrations.
  - Extended Fulfillment-Center Elixir code to handle new use cases.

December 2014 – September 2017   **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 pages 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 RPX site 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   Cybergold.com, Oakland, CA
Jun 1998 – Jul 1999   SkyDesk/AtBackup, Berkeley, CA
Nov 1995 – May 1998   Advent Software, San Francisco, CA
Feb 1986 – Nov 1995   ViewStar, Alameda, CA

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