

Spencer Bartz

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[Technical Experience]

Languages: PHP, Java, Ruby, Python, ES6 JavaScript, SQL, C, HTML5, XML, YML, CSS
Databases: MySQL, ActiveRecord, Arel, Postgres, Oracle, Mongo, DynamoDB / AWS API
Operating Systems: Linux/Unix (RedHat, Ubuntu, FreeBSD), Windows, Mac OSX
Protocols & Frameworks: HTTP, SMTP, SOAP, LDAP, AMQP, RabbitMQ, FTP, Ruby on Rails, Ember JS
Tools / Software: JIRA, Git, Mercurial, Docker, NPM, Jasmine, Mirage, Pretender, Poltergeist, Phantom, JUnit, TestRail, Cucumber, Gherkin, RSpec, Eclipse, Apache, Tomcat, Grafana/Graphite, VMWare, PowerShell, gettext, itext, LAMP, VIM, gcc/gdb
Design Patterns: MVC, MVW, Decorator, Singleton, Design by Contract, Reactor, REST

[Employment History]

Full-Stack Software Developer (Contract)

Sept 2016 – March 2017

HealthSparq Portland, OR

Responsibilities:

- Developed micro-services, APIs, and UIs in Ruby and EmberJS for health insurance marketplace software.
- Coordination with stakeholders, UX specialists, Project Managers, and Customer Support.

Notable Projects:

- Search Engine: Collaborated on health insurance merchant search engine in Ember and Ruby on Rails.
- UI upgrade: Fixed bugs that occurred when transitioning UI app from Foundation to Bootstrap CSS.
- Shopping Cart: Collaborated on RESTful solution for shopping cart and transaction history.

Full-Stack Software Engineer

May 2015 – July 2016

Invoca · Santa Barbara, CA

Responsibilities:

- Full-stack TDD development of Ruby on Rails SaaS platform solutions
- Managing deploys to AWS on a rotation basis

Notable Projects:

- Upscaling: Increased back-end throughput 100% and doubled distributed system reliability of telephony infrastructure. Applied database access policy to ensure safety of DB replication. Decreased DB load by using deferred async processing. Adapted 3rd party White Pages API integration to DB access policy. Added metrics to monitor system health.
- RESTful solutions: Implemented RESTful routes to ensure data validity of customer voice recordings.
- APIs: Audited Invoca and managed documentation (ReadTheDocs) of Invoca APIs
- Webhooks and IVR: UI implementation of webhooks and recursive rendering of IVR for call centers

Translator / International Liaison

Nov 2011 – Oct 2013

Fuji Film Graphic Systems Techno Service · Tokyo, Japan

Responsibilities:

- Translation of technical manuals, weekly conference call interpretation, UI Localization
- Collaborating with engineers and IT staff to improve defect tracking DB and reduce response time
- Gained stakeholder support to implement a Java SOAP application to automate repetitive DB tasks

English Teacher for Japanese Public Schools

Aug 2007 – May 2011

Ohtawara City Board of Education • Ohtawara City, Japan

Responsibilities:

- In-class teaching, lesson preparation, worksheets, translation of English / Japanese teaching materials

- Working independently with minimal direction from superiors or colleagues

Software Engineer

Feb 2007 – Aug 2007

Novacoast Inc. • Santa Barbara, CA

Notable Projects:

- Internationalization / Localization of Micro Focus (formerly Novell) Open Workgroup Suite (OWS)
- Implemented installer dependency management for OWS in Python
- Developed employee directory search functionality using LDAP, Python and JavaScript

[Education]

B.S. Computer Science with Highest Honors, College of Creative Studies: University of California Santa Barbara 2006.

A.S. Computer Science, Santa Barbara City College 2005

A.A. Multimedia Arts and Technologies, Santa Barbara City College 2005

[Miscellaneous]

Japanese Language: Fluent (Japanese Language Proficiency Test Level N2)

German Language: Conversational