

Spencer Bartz

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[Technical Experience]

Languages:	PHP, Java, Ruby, Python, JavaScript, TypeScript, SQL, C, HTML5, XML, JSON, CSS3, Kotlin, APEX
Databases:	MySQL, ActiveRecord, Arel, Postgres, Oracle, Mongo, DynamoDB / AWS API
Operating Systems:	Linux/Unix (RedHat, Ubuntu), Windows, Mac OSX
Protocols & Frameworks:	Angular2+, Android, SMTP, SOAP, LDAP, AMQP, RabbitMQ, Ruby on Rails EXT / Sencha, Ember, Tableau SDK, Agile Central SDK, node.js, Jackson, Jersey
Tools / Software:	Agile Central, JIRA, Git, Mercurial, Docker, NPM, Jasmine, Mirage, Bootstrap, Poltergeist, Phantom, JUnit, TestRail, Cucumber, Gherkin, RSpec, Apache, Tomcat, Grafana/Graphite, VMWare, PowerShell, gettext, itext, LAMP, gcc/gdb, NoSQL
Design Patterns etc.:	MVC, MVW, SPA, Decorator, Singleton, Design by Contract, REST, TDD, BDD

[Employment History]

Full-Stack Software Developer: January 2018 – December 2018

Leanpath Inc. • Beaverton, OR

Responsibilities:

- Localization of UI and providing my own Japanese translations.
- Making additions to and supporting legacy Java back-end with REST endpoints using the Jackson library.
- Improving UI/UX by replacing legacy KnockoutJS webpages with testable Angular2+ SPA implementations.
- Providing bug-fixes and localization improvements for Android food-waste tracker mobile app.
- Adding improvements and localization testing to legacy reporting system “Logi.”
- Providing end-to-end solution for online training courses.

Notable Projects and contributions:

- Database Migration: Moved production database from Amazon Web Services to alternate colocation center.
- Salesforce integration: Implemented design to use Salesforce as system of record for online training courses. Integrated back-end Java code to authenticate and fetch data on behalf of the Leanpath Platform.
- Metrics Dashboards: Implemented and supported teammates with redesigns and new designs for responsive dashboard UIs in Angular.
- Translations: Translated, website, reports, and mobile app into Japanese, fixed incorrect German translations.
- Cultural Shift: There was no culture of pull requests or code reviews before my arrival at the company. I insisted on introducing this practice and it is still in place.

Full-Stack Software Developer (Contract): April 2017 – December 2017

Cambia Health Systems • Portland, OR

Responsibilities:

- Developing and maintaining reports in EXT/Sencha for CA Agile Central (formerly known as Rally).
- Upgrading existing reports to ES6 standards and adding client side logging capabilities.
- Reorganizing and modularizing existing codebase.
- Architecting integrations between reporting systems for Project Managers and Business Analysts.

Notable Projects:

- Sprint Capacity: Reduced JS running time by 50% and improved poor User Experience of Agile Teams’ Sprint planning and capacity report
- API Integration: Designed and implemented an integration in Python to connect the Agile Central REST API to Tableau Server in order to publish data extracts consumed by Tableau Desktop users and business analysts.

Full-Stack Software Developer (Contract): Sept 2016 – March 2017

HealthSparg • 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

QA Experience: 6 months as an intern at Citrix Systems in Santa Barbara, CA