

Spencer Bartz

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[Technical Experience]

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

[Employment History]

Full-Stack Software Developer: Mar 2019 - Jul 2019

PWCC Marketplace LLC • Lake Oswego, OR

Responsibilities:

- Building customer-facing and internal solutions using routes, MVC, CRUD operations in Laravel 5.5
- Building RESTful API endpoints for both synchronous and asynchronous use (i.e. endpoints for AJAX calls)
- Modifying and creating Routes and DB tables using Laravel migrations
- Writing and editing DB queries using Eloquent and MySQL, adding scopes to Laravel models
- Code reviews / Pull Requests / Architecture discussions / Style guide contributions

Notable Projects and contributions:

- Greatly improved integration test coverage by introducing controller tests and providing templates from which new controller tests could be written. Contributed to service level tests and encouraged the use of PsySh tool for TDD
- Added endpoints to Controllers for CSV generation of the data rendered on the screen
- Modified queries/rendering logic to exclude ineligible items in financial projections of auctions
- Implemented feature to store data about states requiring internet sales tax, flagged those states in reports and built UI to allow admins to edit the list of states

Severance reason: Unfortunately PWCC had to downsize for economic reasons. I received a severance payment and recommendation letters from the CEO and my former manager verifying my severance was not performance based.

Full-Stack Software Developer: Jan 2018 - Dec 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): Apr 2017 - Dec 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 50%, improved poor UX of Sprint planning and capacity report
- API Integration: Designed and implemented Python integration 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): Sep 2016 - Mar 2017

HealthSparq • Portland, OR

Responsibilities:

- Developed micro-services, APIs, and UIs in Ruby and EmberJS for health insurance marketplace software.
- Coordinated with stakeholders, UX specialists, project managers, and Customer Support.

Notable Projects:

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

Full-Stack Software Engineer: May 2015 - Jul 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 bugfix 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 tree for call centers

Translator / International Liaison: Nov 2011 - Oct 2013

Fuji Film Graphic Systems Techno Service • Tokyo, Japan

Responsibilities:

- Translation of technical manuals, conference call interpretation, UI Localization
- Improved defect tracking DB and reduced response time for English-only clients
- Automated repetitive tasks by implementing a Java SOAP application to interact with the DB

English Teacher for Japanese Public Schools: Aug 2007 – May 2011

Ohtawara City Board of Education • Ohtawara City, Tochigi Prefecture, Japan

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

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