

Spencer Bartz

Beaverton, OR

Authorized to work in the US for any employer

Work Experience

Software Development Lead

expresscopy.com-Portland, OR

December 2020 to August 2024

- Full Stack Web and API development: Primarily using MVC frameworks, services, libraries, unit testing, asynchronous job queue tasks, cron jobs, console commands, shell commands, SQL stored procedures / functions, 3rd party API integrations, 1st party API offerings, reporting, and internal tools for staff members.
- DevOps: Dev environment installation / setup & configuration, Web server installation and config, deployment pipeline configuration, database replication management, version control management, Ticketing System infrastructure and administration, OS maintenance & security updates, handling 3rd party integration breaking changes, systemwide infrastructure maintenance, troubleshooting deployment problems.
- Production Support: Triage and troubleshooting of back end problems occurring in Legacy Codebases, bug fixes in legacy codebase when warranted.
- Dev Stack: Vanilla JS / JQuery + DataTables, Bootstrap 3 & 4, SCSS, PHP 5.3 & 7.1, PHPUnit 3.1 & 6.15, Laravel 5.5, Zend, LAMP Python 3, MySQL 5.1
- Ops Environment: CentOS 6 & 7, Apache2, Windows Server, IIS, MSSQL, VSphere VMs MySQL Server 5.1, Composer 1 & 2

Web Developer / Software Engineer / Salesforce Admin

EasyPower LLC-Sherwood, OR

October 2019 to July 2020

Salesforce APEX development, added features to internal and external websites in LAMP and IIS environments using PHP, JavaScript (jQuery), C# and MS SQL.

- Developed payment portal in VisualForce on Force.com platform with Authorize.net credit card API integration
- Maintained infrastructure and plug-in dependencies of WordPress and ExpressionEngine CMS instances
- Lightning (LEX) Upgrade - Managed 3rd party plugin deprecation, salvaged in-house plugins developed by consultants, LEX troubleshooting

Full Stack Developer

PWCC Marketplace LLC-Lake Oswego, OR

March 2019 to July 2019

Built customer-facing and internal solutions in Laravel 5.5.

- Created RESTful endpoints for synchronous and asynchronous use
- Enhanced test coverage by introducing controller tests to codebase
- Socialized use of Psy Sh to promote TDD
- Advised on code reviews / pull requests / DB schema discussions

Full Stack Software Engineer

LeanPath Inc-Beaverton, OR

January 2018 to December 2018

Full-stack and Android development of SaaS analytics platform to collect data from android devices in the field.

Tech Stack: Knockout.js, Angular6, HTML5, CSS3, Java8, Tomcat.

- Introduced pull requests, code reviews, TDD and other best practices to dev team.
- Updated Graphical reports generated by analytics tool "Logi."
- "Training Course Dashboard" implemented as a SPA in Angular, Java, and Salesforce to store the course data. CRUD operations on the data were made possible using JAX-RS to connect to the Salesforce REST API and Jackson to parse its JSON responses.
- Updated analytics system calculations to improve customer reporting accuracy.
- Provided Japanese translation of UI, advised colleagues on troubleshooting points of overlap in CJK Character Sets

Software Developer (Contract)

Cambia Health Solutions-Portland, OR

April 2017 to December 2017

Tableau Server integration:

- Leveraged Tableau and New Relic Python SDKs and PyUnit to build a console application to perform ETL operations.
- Schedule console app in cron to run periodically, extract datasets from multiple sources (RDBMS, New Relic, JSON APIs, NoSQL DBs, static files), transform into a single Tableau-friendly dataset, and load into Tableau Server via API call. Tableau Server was then configured to publish the dataset to the BI team's Tableau Desktop instances on a schedule.

SPA development, legacy codebase management for AgileCentral (AC) platform in JavaScript using EXT.js / Sencha.

- Manually restored lost source code of JavaScript apps transpiled by AC build system.
- Updated JS of reporting SPAs to ES6.
- Versioned all AC app source in on-premises GitLab instance.
- Reduced Sprint Planning / Capacity Report loading time by roughly 50%.

Full Stack Software Developer (Contract)

HealthSparq-Portland, OR

September 2016 to March 2017

UI development in EmberJS framework using "mirage" test library.

- Search Engine: Collaborated on health insurance merchant search engine in Ember.js and Rails back end microservices.
- Fixed bugs from CSS transition from Foundation to Bootstrap CSS.

Full Stack Software Engineer

Invoca Inc-Santa Barbara, CA

May 2015 to July 2016

Full stack SaaS development in Ruby, Ruby on Rails, and JavaScript.

- Maintained legacy ("classic") UIs written in JavaScript (vanilla)
- Dev processes included TDD / Agile / Scrum and later Kanban
- DevOps: Managed deploys from GitHub to AWS on rotation
- Doubled Telephony infrastructure input and improved reliability by splitting messaging queues (RabbitMQ) handled by separate Ruby processes. Mitigated short term DB load using Deferred Job Gem and REDIS.
- Adapted 3rd party White Pages API integration to DB ACL policy intended to prevent corruption of MySQL Replication.
- Monitor performance of new features added to Telephony app and report system health by emitting new metrics from Server Side processes and visualizing them in Grafana

Tutoring, Translation, Proofreading technical and medical English

Freelance-東京都 (Tokyo Metropolitan Area)

October 2013 to June 2014

- Provided JP => EN translations of patient literature on Inflammatory Bowel Disease for Dr. Reiko Kunisaki (<https://www.researchgate.net/profile/Reiko-Kunisaki>) at Yokohama City University Hospital
- Proofreading / editing JP => EN translations of manuals for medical / pharmaceutical devices and appliances submitted by Japanese translators.
- Business presentation preparation for Japanese employees of Stryker Medical Technology's Angioplasty and Stenting device teams.

Translator / Interpreter

Fujifilm Graphic Systems-江東区 辰巳

October 2011 to October 2013

- Japanese / English technical document translation for the "JetPress 720" high volume large scale printing press
- English / Japanese / German interpretation on conference calls with Fuji Europe colleagues
- Added Supplemental documents to and reported machine translation errors found in English edition of JetPress 720 user manual.
- Verified informational equivalence between English / Japanese editions and reported incorrect Kanji usage in Japanese edition to Japanese translators
- Automated the User Manual Addendum workflow using a Java program to generate a paginated Appendix complete with index page linking to each supplemental document.
- Automated defect tracking workflow using PHP Script to connect to web services API, queries open tickets, examine character encoding in description and reassign to specific employees based on the presumed language: Japanese (Shift JIS), English (UTF-8) or a mix.

English Language Teacher (ELT)

Ohtawara City Board of Education-栃木県 大田原市 (Ohtawara City, Tochigi Prefecture, Japan)

August 2007 to May 2011

In class English language instruction, lesson preparation, speech contest preparation, supplemental English for students in sister city exchange program and other special events in public schools managed by the Ohtawara BOE.

Junior Software Developer

NovaCoast Inc-Santa Barbara, CA

February 2007 to August 2007

Development, internationalization, and localization of application server software and installer in Python and JavaScript for Micro Focus (formerly Novell) Open Workgroup Suite (OWS)

Education

B.S. in Computer Science with Highest Honors

University of California - Santa Barbara, CA

2006

A.S. in Computer Science

Santa Barbara City College - Santa Barbara, CA

2005

A.A. in Multimedia Arts and Technologies

Santa Barbara City College - Santa Barbara, CA

2005

A.A. in Mathematics

Santa Barbara City College - Santa Barbara, CA

2005

Certificate of completion in Digital Design

Santa Barbara City College - Santa Barbara, CA

2001

Certificate of completion in Web Design

Santa Barbara City College - Santa Barbara, CA

2000

Skills

- API Development (Customer Facing) (5 years)
- Agile (8 years)
- Version Control Systems (Git, GitLab, Bitbucket, etc.) (10+ years)
- Java (1 year)
- JavaScript (including Angular, Knockout, Ember, Backbone, Sencha) (10+ years)
- Ruby on Rails (2 years)
- Python (6 years)
- Laravel (4 years)
- MySQL (8 years)
- Testing (Unit / Functional / Integration tests using Rspec, JUnit, PHPUnit, PyUnit, Jasmine, Grunt, Mirage, Deft, APEXTest) (8 years)
- Jira Admin (4 years)
- CI/CD (Jenkins, Chef, Semaphore CI, TeamCity CI) (6 years)
- PHP (6 years)
- API Integrations (3rd Party - Stripe, WhitePages, USPS, Authorize.net, Google Analytics, Google Maps, New Relic, Tableau) (8 years)
- HTML / CSS (10+ years)
- SCSS / SASS (4 years)
- Bootstrap
- JSON
- REST
- XML
- Microsoft SQL Server
- Unit Testing

Languages

- German - Intermediate

- Japanese - Fluent
- English - Fluent

Links

<https://github.com/spencerbartz>

<https://www.hackerrank.com/profile/spencerbartz>

<https://www.spencerbartz.com/>

Certifications and Licenses

Japanese Language Proficiency Test N2

February 2008 to Present

- https://en.wikipedia.org/wiki/Japanese-Language_Proficiency_Test
- <https://www.jlpt.jp>

SQL (Basic) Certificate

October 2024 to Present

<https://www.hackerrank.com/certificates/93222fcde72c>

Python (Basic) Certificate

October 2024 to Present

<https://www.hackerrank.com/certificates/5c069d8fa40f>

JavaScript (Basic) Certificate

October 2024 to Present

<https://www.hackerrank.com/certificates/5708446470a2>