

Adam Fowler | Senior Software Engineer

Pleasant Grove, Utah | 801-919-6360 | adamfowler107@gmail.com | adamfowler.net

Introduction

I am a Professional Software Engineer, Freelancer, and Tech Hobbyist in Utah Valley. My experience includes work for several large scale data-driven businesses. In my work, I use the highest standards to write code, and always keep security in mind. My skills include Several JavaScript and PHP Frameworks, many of them popular around Utah Valley.

Professional Experience

HouseMaster / Xource Inc.

Senior Software Engineer / Architect

Jul 2017 –

Jun 2018

- I was the architect for an AWS Lambda Serverless application. This project used Express.js (Node.js) Inside a Lambda Function
- Used both the Serverless Framework and SAM Local
- I Used AWS Technologies, such as: Lambda, RDS(Aurora DB), API Gateway, VPCs, Cloudformation, S3, Code Pipeline, Cloudfront, Route 53, CodeCommit, Cognito, etc.
- Maintained a Vue.js / Webpack Single Page Application using the latest ES6 Tech
- Participated in Test-driven development in an 'Agile' environment
- Used Sequelize ORM
- Utilized SCSS
- Helped to create a Big Data relational database for a large scale application
- Encouraged myself and others to adhere to best security practices
- Implemented Code Reviews across the team workflows
- Participated in AWS Meetups on Serverless Development

Vertical OPS

Senior Software Engineer

Jul 2016 –

May 2017

- Contributed to the development of a Laravel site, including writing blade templates, database migrations, and using eloquent ORM.
- Maintained a Node.js / Socket.io call center middleware and lead delivery software, which also controlled the connection of VoIP calls.
- Integrated systems with Limelight and Konnective CRMs
- Developed Express.js (Node.js) Applications
- Maintained a Vicidial / Asterisk Cluster.
- Setup of unit testing, to monitor the call center status, and send out SMS alerts when issues arose.
- Created and Maintained different dashboards, one for the Sales Agent Interface, and another for Billing and Accounting using Angular v1 on the front end, and Node.js and PHP on the backend
- Utilized Redis for caching
- Helped maintain a large multi-tenant database
- Upgraded systems to become more PCI Compliant
- Setup production environments on CentOS and Ubuntu servers using a hypervisor
- Used Git / Github for Source Control.

Silvertap LLC

Senior Software Engineer / Project Lead

Apr 2014 –

Jan 2016

- Development of a website using Laravel MVC, and Angular JS on the front end
- Development of Node.js software, and tools using Express.js
- Maintained Legacy code written in PHP and jQuery
- Worked with a very large MySQL Database, and MongoDB
- Integrated with ESPs such as Mailchimp and Benchmark email, including designing email templates and testing the deliverability of emails.
- Daily data pulls (Custom SQL Queries) from the database, for custom lead sales.
- Integrated Job Feeds into several job board websites, including Indeed and ZipRecruiter.
- System Administration of CentOS and Ubuntu Systems, including firewall setup, SSH server configuration and penetration testing.
- Setup of a RabbitMQ Stream for access to real-time data.
- Used AWS Technology (EC2, RDS, and Glacier)
- Used Git / Github for Source Control, participated in code reviews.

[Flashlight.guide](#)

Nov 2015

Senior Software Engineer / Systems Administrator

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- Developed and Maintained an Amazon associates website, and its admin panel, written in Express.js, Pug.js and Angular.js.
- Used SEO Techniques to make the site rank high on Google
- Integration with Amazon's Product Advertising API
- Set up best security practices
- Currently maintain a server running Ubuntu and Nginx
- Solely Responsible for System and Database Administration
- Utilized AWS EC2
- Used Git for Source Control

Bizvision

Aug 2013

Software Engineer

–Mar 2014

- Worked with a team that used AWS Platform features, such as EC2, S3 and RDS.
- Wrote Queries for a very large, relational database
- Work on a Custom PHP MVC Framework
- Use of jQuery
- SVN Source Control

Business Promotion Inc.

Feb 2013 –

Wordpress Developer

Jul 2013

- Created and maintained multiple Wordpress sites, including their plugins and themes.
- Pioneered usage of GIT at BPI
- Pioneered usage of responsive websites using Twitter Bootstrap and jQuery at BPI
- Direct communication with clients about features of Wordpress Sites
- Worked in a team, and collaborated with graphic designers
- Use of Adobe Photoshop

Bull Matrix Media / Bull Matrix Technology

Oct 2011 –

Software Engineer

Jan 2013

- Developed and Maintained several real-estate websites, using plain old PHP and custom PHP MVCs.
- Integrated and Maintained several APIs, written in XML-RPC, plain XML, and JSON
- Used SVN for source control.
- Learned about advanced MySQL features

Myself

adamfowler.net

- I use Express.js MVC and PUG for my personal website
- Use of Gulp for web compression
- Utilized imagemagick for image processing
- Maintain a Ubuntu server running Nginx
- Utilization of Let's Encrypt
- I use both AWS and Digital Ocean for my Personal Projects

Education

Utah Valley University – High School Diploma / G.E.D

Nov 2011

Other Experience

This is experience that is not related to work for any listed company

- ElasticSearch
- React.js
- Angular 2+
- Docker / Dockerfile
- Ember JS
- Beginner experience with the following programming languages: Python, Java, C++, C# .Net, and GO Lang
- Work with Raspberry Pi's, Including the relay switch module

Achievements

Space Shooter Video Game - I made a space shooter video game with React and Webpack. <https://ss.adamfowler.net>

Youtube Video Maker - Using Node.js and FFMPEG, I created a tool to download new viral videos on the internet, combine them into compilation videos, and upload them to youtube. <http://bit.ly/2qvr7FI>

Internet Radio Recorder - I made an internet radio recorder that would download the tracklist from a website, and splice the audio into song-sized MP3 Files, and encode the ID3 Tags from the tracklist. <http://bit.ly/2s7G29L>

Revised Aug 8th 2018