

## > summary

Software engineer with 8+ years experience leading teams to develop, deploy, and manage web services. Passionate about building platforms and tools that help development teams to be more productive. Former consultant with experience determining priorities and balancing business and technical needs. Always excited to learn new things.

## > skills

### PROGRAMMING LANGUAGES

JavaScript (Node.js)  
Elixir  
Bash  
Experience with Python, Golang, Groovy, SQL, VB.net, and Ruby

### DATABASE TOOLS

Elasticsearch  
Microsoft SQL Server  
RethinkDB  
Redis

### OTHER TECHNOLOGIES AND SKILLS

Git  
Docker  
GraphQL  
Continuous Integration and Delivery (Circle CI and Jenkins)

### OTHER TECHNOLOGIES AND SKILLS

AWS  
Kubernetes  
Ansible  
Test Driven Development

## > employment

### SAP Concur

Software Design Engineer

Bellevue, WA

Aug. 2015 to Current

Worked on multiple teams with end-to-end ownership of services, including development, testing, and operations. Promoted comprehensive and effective automated testing on all projects to improve confidence in changes and deployments. Mentored junior developers and conducted technical hiring interviews.

#### Client Data Services (CDS)

GraphQL PaaS allowing developers to deploy small pieces of a GraphQL schema. Contributed to all parts of the CDS platform including the base engine and local emulator written in NodeJS, management CLI written in Golang, and the AWS and Kubernetes infrastructure that the platform runs on. Implemented the initial resolver stitching and added support for remote schemas; a key part of the local emulator.

#### Orchestration

GraphQL service exposing Concur API data to the Concur UI teams. Focused heavily on organizing Concur's complex data model into an easier to consume view model. Used view model designs to create a GraphQL schema and associated resolver code written in Elixir. Improved the reliability of the service through better automation and monitoring, support for asynchronous mutations, and more resilient code handling of upstream API requests.

#### Receipts

HATEOS driven REST API that manages receipts at Concur. Improved the image generation process and built functional tests that greatly reduced bug frequency. Automated Kubernetes deployments dealing with both stateful and stateless resources. Managed date, time, and other globalization issues for a service used by clients around the world.

### Fast Enterprises

Implementation Consultant, E-Services Lead

Vientiane, Laos

Mar. 2013 to Dec. 2014

Oversaw the design and development of the Laos e-services taxpayer website. Managed fluctuating project requirements and variable time schedules to help Laos meet WTO standards. Designed and implemented processes for taxpayers to register vehicles and to securely upload attachments to client servers. Integrated antivirus protection into the e-services environment. Converted data from the client's legacy systems to Fast Enterprises' Gentax system.

#### Implementation Consultant, Registration and Collections

Baton Rouge, LA

Jan. 2011 to Mar. 2013

Programmed complex redesign to suspend the licenses of individuals with delinquent tax liabilities. Developed and maintained several data warehouse entities. Created discovery processes based on data warehouse information to find new or missed revenue sources. Produced data cubes, reports, and ad hoc queries to help the government agencies retrieve useful information from their data.

## > education

### General Assembly

Web Development Immersive 2015

### University of North Dakota

Bachelor of Business Administration Information Systems 2010