Alex Buechele

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SKILLS

Languages: JavaScript, Golang, Python, C/C++, SQL, HTML5, CSS3, SQL
Frameworks & Libraries: React/Redux, Node.js, gRPC, Express, jQuery, Bootstrap, Django, Flask
Tools and Technologies: PostgreSQL, SQL Server, MongoDB, Docker, Kubernetes, Istio, Keycloak, NGINX, AWS, Azure, Git, Linux

EXPERIENCE

Backend Software Developer   San Diego, CA
Circadence   **Dec 2019 – Present**
- Write go microservices and their deployment code
- Create and manage Azure CI/CD pipelines
- Configure and maintain Istio service mesh for microservices

Backend Software Developer Intern   San Diego, CA
Circadence   **May 2019 – Present**
- Fixed bugs and helped developed new features for microservices written in golang, deployed with docker/kubernetes and hosted on Azure
- Occasionally helped out with front-end development of the React web client
- Utilized and learned about Scrum workflow, CI/CD, and a host of different tools and technologies

Self-study and Freelance Web Development   Seattle, WA
Self   **Sept 2017 – Present**
- Worked on a team to migrate a Ruby-on-Rails app to React
- Created and maintained static web pages for small businesses and individuals
- Ongoing independent study of CS fundamentals as well as full-stack web development

PERSONAL PROJECTS

Personal site (JavaScript)
- Node/Express backend with traffic logs and visitor messages saved to a database
- Powered by AWS - Runs on an EC2 instance in a S3 bucket, PostgreSQL database

Accountability raspberry pi tool (Python)
- Lights up different colored LEDs corresponding to goals/to-dos not yet completed
- Makes calls to external APIs to update state

Campsite game/puzzle (React)
- Player attempts to pair resources on a 2D grid optimally given certain constraints

Stock trading simulator (Python)
- Used an external API to fetch current stock prices
- Users could "buy" and "sell" stocks with imaginary currency and view their transaction history
- Powered by Flask, Bootstrap, utilized a SQLite database

Mentor-mentee pairing app (Python)
- Served as a tool to pair students with matching study goals
- Built on django, with a PostgreSQL database
- Followed test-driven development principles using Pipenv, Pytest

EDUCATION

University of Houston
BS in Chemistry, Minor in Math, GPA: 3.63