

Summary

Results-oriented software engineer with 4 years experience in analysis, design, development, testing, and implementation of software while working in a remote team. Skilled in identifying functional business requirements and developing customized workflows to improve efficiency.

Education & Credentials

- **M.S. in Computer Science** (GPA 3.50/4.00) --- Georgia Institute of Technology *Atlanta, GA* (2016 -- 2017)
- **B.S. in Finance** (GPA 3.30/4.00) --- University of Central Florida *Orlando, FL* (2006 -- 2010)

Skills

Proficient: Go, Python, Javascript, HTML/CSS

Familiar: Ruby, Java, SQL, C, C++, PHP

Tools: Docker, Git, Rails, AWS, Terraform, Serverless, CI/CD, Jira

Experience

First Hawaiian Bank | Backed Software Engineer (March 2020 -- Present)

Honolulu, HI based financial institution

- Contributed to development, deploy and maintenance of a Rails app to accept PPP applications from more than one million entities affected by Covid-19 resulting in nearly a billion dollars in distributed funds
- Developed Go API services that work as a middleware between third-party service providers to sync customer information and events
- Built a Go/Lambda service to automatically apply database schema migrations to containers triggered by Git and S3 events
- Leveraged Gitlab CI/CD to automate test, build and deploy process from merge request, to testing and production environment
- Worked on authentication middleware framework to authorize requests to various backend services

West Coast Mobile Eye Care | Developer - Remote (April 2012 -- March 2020)

Mobile optometric health company providing eye care services to patients in nursing home facilities

- Wrote and maintained a system of Google Apps Script projects to automate business processes and support employee activities in a distributed, remote environment. Tasks include patient scheduling and management, data integrity, automatic aggregation and distribution of data. Collectively, these reduced human error, work hours and saved the company over \$150,000 in the first year.
- Built Google Apps Script project to integrate Gmail and Box.com using Box API and JWT
- Planned, installed, configured and maintain company's cloud based infrastructure for remotely accessing company resources, patient information and data warehousing
- Designed and developed new company website with portal for administrators to access information and schedule visits

Pacific Home | Contract Developer - Remote *Honolulu, HI* (January 2019 -- July 2019)

High-end furniture boutique

- Developed automated inventory pricing and availability software written in Python to link inventory management application, e-commerce storefront and supplier websites
- Wrote Python app to programmatically update Meta tags for more than 1,500 products in e-commerce platform

Essence Laser | Contract Developer - Remote *Denver, CO* (July 2018 -- September 2018)

Medical Laser and Wellness Center

- Migrated company website and marketing infrastructure from HubSpot to cloud based Wordpress instance with offsite S3 backups and Cloudfront CDN
- Built system to manage patient scheduling and marketing for employee use, maximizing the use of available doctor time, improving follow-ups, increasing per-patient exams and reducing human error

Lake County Bar | Contract Developer - Remote *Tavares, FL* (August 2017 -- January 2018)

Lake Country Bar Association

- Assumed responsibility of existing Rails repo responsible for organizing 200+ lawyers in the County
- Gathered requirements from users and owners and re-designed app to incorporate calendar and event registration system

Projects

- Regular contributions to the Home Assistant open source project with 100k+ active worldwide users and 100+ developers
- Developed application using AI techniques to identify and infer meaning in Raven's Progressive Matrices
- Used Machine Learning frequency analysis and replacement to circumvent firewall and deliver malicious payloads in a test environment
- Wrote a machine learning based stock trading algorithm that implemented Q-Learning on three indicators