

Mitchell Andrews

Software Engineer

Nuclear professional turned tech professional always on the lookout for the next challenge. Committed to finding solutions, collaboration, and attention to detail. Seeking to grow with your company while building and implementing cutting-edge software.

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SELECT PROJECTS

PosPay

- Mobile app that empowers venues to sell food and beverages to customers from their seats, now used across Australia by major stadiums, casinos, and event venues.
- Built customer-facing app screens and developed code to consume back-end API.
- Leveraged knowledge in **React/React Native** and **Redux**.

Seco Sys

- IoT app for corporations and utilities to monitor water usage and manage devices, now used by major industry players like Pepsi, Caltrans, and UCI Medical Center.
- Spearheaded push to migrate from **SQL** to **MongoDB**.
- Wrote aggregation pipelines for device collection of 20 million documents, reducing query time from 15 secs to 0.5 secs.

Pill Reminder

- Created and deployed app that helps family members remind senior citizens to take daily medication using an IoT button to run an AWS Lambda function.
- Ideated and built proof of concept that won 3rd place in TensorIoT hackathon.
- Leveraged knowledge in **AWS**, **Node.js**, **Express.js**, and **AngularJS**.

VARdesk

- Full-service platform for IT hardware/software sales and customer management.
- Led front-end development for responsive CMS and implemented back-end API.
- Leveraged knowledge in **MySQL**, **PostgreSQL**, **AngularJS**, and **Bootstrap**.

EXPERIENCE

DevOps Engineer | [ARGO Labs](#) Feb 2019 - Present

- Building a research and analytics platform to support water managers and ensure water reliability into an uncertain future.
- Leading CI/CD implementation using **CircleCI**, **AWS CodePipeline**, **Elastic Beanstalk**, and **Amazon SNS**.

Software Engineer | [Heart](#) Nov 2018 - Present

- Building a web and desktop open source app within a Code for America volunteer team to digitize an LA prosecutor's office program assisting homeless individuals.
- Led back-end boilerplate development using **Node.js**, **Express.js**, **PostgreSQL**, and **Docker**.
- Set up testing suite using **Jest** and **Supertest**.

Web Developer | [Metrix Systems](#) Jul 2017 - Present

- Leading or contributing front-end or full stack development for 10 clients for a fast-paced software development firm, empowering clients to grow their businesses.
- Evangelizing modern programming techniques for small team including **MongoDB**, **AWS**, **CI/CD**, and **DevOps**.
- Leveraged knowledge in **AngularJS**, **Bootstrap**, **JQuery**, **MySQL**, and **PostgreSQL**.

Nuclear Equipment Operator | [Exelon Generation](#) May 2013 - Dec 2016

- Operated, monitored, and tested complex interconnected nuclear power plant systems with an extremely high degree of detail and rigor.
- Mentored and trained new employees on nuclear power systems fundamentals.

SKILLS

React	AWS
React-Native	Django
Redux	MySQL
Javascript	PostgreSQL
Python	MongoDB
HTML	Swift
CSS	Xcode
Node.js	Docker
Express.js	TravisCI
AngularJS	GitLabCI
Flask	CircleCI
Jest	Git/Github
Linux	Agile

EDUCATION

[AWS Certified Solutions Architect - Associate](#)
2019 - 2021

[AWS Certified Developer - Associate](#)
2018 - 2020

[AWS Certified Cloud Practitioner](#)
2018 - 2020

[Coding Dojo](#)
Certificate of Completion in Full-Stack Web Development
Burbank, CA | 2017

Black Belt certification in:

- **Python/Django** with **MySQL**
- **MEAN Stack** (**MongoDB**, **Express.js**, **AngularJS**, **Node.js**)
- **iOS** (**Swift/Xcode**)

[Terra State Community College](#)
AAS in Nuclear Power Technology
Fremont, OH | 2012