

# MILES FLORENCE

SOFTWARE DEVELOPER

✉ miles@milesflo.com 🌐 milesflo.com ☎ (415) 936-9377 🐦 milesbflorence in /in/milesflo 📱 milesflo

## SUMMARY

I am a Software Developer looking to join a small-to-medium sized company in the Information Security space. My background is in NodeJS Full-Stack development and education, but I also have certifications in Application and Network-based Penetration Testing. I believe it's important to build relationships around education, skill-exchange and continued improvement in any organization.

## SKILLS

**JAVASCRIPT:** Node.js, AngularJS, Express, jQuery, React, Knex.js

**CSS:** CSS3, Bootstrap, Materialize

**DATABASE MANAGEMENT:** PostgreSQL, MongoDB, MongoDB Atlas

**SECURITY:** bcrypt, OAuth, OWASP Top 10, Kali, Metasploit, Incident Response, Digital Forensics

**BACKEND:** CircleCI, AWS EC2, Linux Administration, CI/CD, AWS Lambda, AWS Elastic Beanstalk, GoLang, Python, Docker

**COLLABORATION:** TDD, Github, Heroku, CLI

## EMPLOYMENT

**MV Code Club**, *Instructor*, Mill Valley, CA

Mar. 2017 - Sept. 2017

- Taught students the fundamentals of Front-End Development (HTML/CSS/Native JS)
- Offered oversight and guidance to 100's of student-created projects of various scale

**Enki**, *Open Source Fellow*, San Francisco

Sept. 2017 - Jan. 2018

- Developed Security Course curriculum with standards and objectives
- Produced Security Course lessons on OWASP Top 10 and OSI Model
- Created various automation tools, linters and compilers for the Content Management System in NodeJS and Python

*Software Developer*, San Francisco

Sept. 2017 - Jan. 2019

- Developer on EnkiBot (see Projects), a daily mentor chatbot
- Developer on EnkiApp (see Projects), a React client for our popular Android app
- Responsible for the spec'ing, planning and implementation of business-critical microservices
- Ensured 99.99% production uptime with AWS Elastic Beanstalk
- Implemented CI/CD of all services via CircleCI, AWS CLI and Apex
- Converted applications to be Dockerized for ease of deployment

**Totomic**, *Software Developer*, San Francisco

Aug. 2016 - Oct. 2016

- Developed the Best Buyer Platform (see Projects) in conjunction with the CTO
- Implemented a system to deploy property advertisement campaigns against an ideal market demographic on Facebook and Google Ads
- Acted as liaison between our development shop and local advertising agency as part of the Best Buyer ad pipeline

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## PROJECTS

EnkiBot Nov. 2017 - Aug. 2018

EnkiBot is a learning companion build right into the Slack messenger. This chatbot will:

- Offer daily learning workouts and extended programming challenges
- Help organize your company into Mentor/Mentee relationships
- Offer tools to help organize 1:1s with mentors and coworkers
- Post weekly reports on your personal/team learning achievements

EnkiApp Aug. 2018 - Jan. 2019

A React / Redux app created to manage your Enki account from the accessibility of a browser.

Best Buyer Aug. 2016 - Oct. 2016

Best Buyer is a platform that helps realtors make informed decisions about selling a property with the help of Big Data.

We created an algorithm to identify which market segments would be the most receptive to a listing. My role in the project was to take the information output by our API and create an interactive dashboard with visual reports. In addition to this, I worked on a system to feed this same data into Google and Facebook as part of an ad pipeline. This allowed us to sell ads automatically, creating a solid revenue stream for the company.

## EDUCATION

**gSchool Full-Stack Web Development Immersive - San Francisco, SoMa** Sept. 2015 - Apr. 2016

**SANS504 - Digital Forensics & Incident Response** May 2018 - Aug. 2018

## ACTIVITIES

**Thugcrowd, Co-host / Collaborator** Dec. 2018 - Current

Thugcrowd is a weekly round-table security podcast discussing the bleeding edge in CVE's, 0days, breaches and more, as well as interviewing the big names in cybersecurity (ex. John McAfee).

Note: The name is a play on Bugcrowd, a popular bounty site.

**Hack-the-Box, Pen-tester** June 2018 - Current

Hack-the-Box (Abbreviated HTB) is a cloud-based pentesting lab. They release new hacking scenarios on a seasonal basis.

## VOLUNTEERING

**World Central Kitchen, Responder** Nov. 2018 - Current

Aiding larger disaster relief efforts by providing victims and other organizations with on-site, high-quality meal kits.