

Paul Pfeffer

Oakland, CA

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About Me

Software Engineer since 2014 focusing on networking and API development. I have written code that customers rely on for mission-critical applications as well as quickly iterated MVPs. In both corporate and startup environments, I have been an accountable team member capable of wearing multiple hats. I learn fast, work hard and am always motivated to excel in the task at hand.

Technical Skills

Proficient: Python | Linux | AWS | TCP/IP | SQL | Devops | WiFi

Exposure: C++ | Golang | Java | ReactJS | Swift | Objective-C | PHP

Experience

Backend Engineer, Open Garden
Oakland, CA

2018 to Present

- Engineer backend services for OG, a cryptocurrency token on Stellar blockchain. Code is written in GoLang and Python.
- Implement RESTful APIs to support Peer-to-Peer internet sharing application.
- Design and implement API providing a SaaS eSIM platform enabling businesses to provide their users with low cost international mobile service.
- Key engineering accomplishments include;
 - Decreased costs of old systems by >\$3,000/month through reengineering and maintenance.
 - Design and implement CI/CD using Github, Travis, AWS and Python unittest framework.
 - Create OpenWRT package to allow users to share internet costs.
 - Decreased setup time in internet sharing apps by 80% through asynchronous tasks.
 - Improved our customer acquisition with a custom captive portal solution using dnsmasq, iptables and Flask.
 - Chief troubleshooter for all network issues.

Software Engineer, Calix
Petaluma, CA

2014 to 2018

- Developed Wi-Fi automation platform to conduct mesh testing.
- Collaborated with others wireless engineers inside and outside the company to ensure reliable and repeatable results.
- Designed a custom hardware/software solution to improve the testing of VoIP. The solution supports multi vendor environments. It is used across the company in all locations.
- Implemented continuous integration system on large test platforms for data communication protocols decreasing the time between building code and finding bugs.
- Overhauled and polished customer application for testing dial plans.

Python Workshop Instructor, Sonoma State University
Rohnert Park, CA

2014

- Taught students the basics of computer programming.

Education

Bachelors of Science in Computer Science
Sonoma State University, Rohnert Park

May 2015

- Major GPA: 3.9; Dean's list 4 semesters; 2014 entrepreneur award