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EXPERIENCE

McKinley Equipment: IoT Engineer—2016 to 2018

- Python, Java, Bash, JavaScript, and C-based projects; Android and iOS app development, DevOps (SaltStack), ThingWorx, Docker, ArrowConnect, Jira + Confluence Site Administration and management

Gosu Solutions: IoT Intern—2014-2016

- Developed Raspberry Pi monitoring systems; init scripts through systemd; Linux installation and configuration, PCB soldering, assembly, and testing

Willick Engineering: Intern—Summer 2015

- X-ray firmware installation; transformer disassembly and disposal; server benchmarking; CNC hardware and software retrofitting; geostationary orbit satellite maintenance

Thoozl, Inc: Tech Lead—2017 to present

- Leading development of Thoozl, the Social Media Debate Platform. (Details under NDA)

Freelance Work—2013 to present

- Web design and development, backend server architecture design, web hosting solutions and domain management, cross-platform desktop application development (Electron, Qt), Open Source contributions

DEV ENVIRONMENT

For most of my development I use only the CLI, so I can work on any machine and from anywhere so long as I have an SSH client and internet access. I'm a fan of Continuous Integration/Delivery practices, and fully embrace the use of containers in development, both for testing and in production.

Languages and Technologies I Use Frequently:

- AWS, Azure, Bash/Shell, C, C++, GCP, Python, Java, JavaScript (Browser + Node.js), PHP, PostgreSQL

Frameworks/Packages:

- Angular, BitBake, Bootstrap, Cordova, Electron, Flask, Ionic, Quasar, React, Vue

Favorite Tools:

- Bash, Docker, Git, GPG, GulpJS, Gradle, i3wm, tmux, make, Nginx, Pylint, SaltStack, Vim

That said, every position I've held has had its own tools and procedures in place, and I understand the importance of company/department culture. As a developer of IoT, one of the most rapidly-evolving fields in tech, I have frequently demonstrated my abilities to quickly adapt to (and sometimes design) new development and production software stacks. I am comfortable working with any operating system or switching to a new IDE, and I am more than capable of adapting my workflow to meet the needs of those around me.

OTHER INFORMATION

- Eagle Scout, BSA (I love camping and the outdoors!)
- Spanish language (conversational)
- I have been researching IoT power consumption with the SIOTLAB since March 2018
- I have a passion for everything FOSS. I would love to work somewhere I can submit patches to help the software community as a whole
- I expect to Graduate Santa Clara University in 2020 with a Bachelors of Computer Engineering