Joshua Taylor Eppinette

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TECHNOLOGY SKILLS

Programming Languages: Golang, Python, JavaScript, Java, Lua.

Operations Technologies: Docker, Terraform, Jenkins, Ansible, Vagrant, Vault, Consul, Kafka, Redis, OpenSMTPD, Cgit.

Web Backend Technologies: ModSecurity, Nginx, Gunicorn, Django, Elasticsearch, PostgreSQL.

Third Party Integrations: S3, MailChimp, MailGun, Okta (SSO), PingFederate (SSO), Facebook, OpenLDAP (LDAP), FreeIPA (LDAP), OpenDirectory (LDAP)

Web Frontend Technologies: VueJS, AngularJS, Leaflet, Bootstrap, SASS, C3, D3.

Cloud Providers: Digital Ocean IaaS, GCE IaaS, Heroku PaaS, Internal Enterprise Cloud.

Operating Systems: MacOS, Windows 10, GNU/Linux (Debian / CentOS), OpenBSD, AIX, Solaris, Teradata/HANA (Appliances).

Embedded Engineering: JavaFX, Raspberry Pi, SQLite, ObjectDB, Arduino.

EXPERIENCE

Senior Software Engineer - Development Lead & Product Owner - Infrastructure Services Systems Security & Compliance   April 2018 - Present
Apple Inc, Denver, CO

- Act as architect, development lead, and product owner of an agent and service which monitors and remediates security and compliance issues in our global compute fleet. The agent is deployed on 100k+ systems across many different operating systems and architectures. The service processes billions of results and affords compliance officers, auditors, and application teams the ability to analyze, export, and remediate any issues in their fleet. (Python 2.5-3.8, Django 2, PostgreSQL 12, Splunk, Redis)

- Act as architect, development lead, and product owner of a service which reac-credits, remediates, and validates user/asset/group memberships to maintain compliance requirements. The system tracks the memberships of 100k+ users to thousands of resources integrating with multiple LDAP, AD, NOD, OD systems. (Python 3.8, Django 2, PostreSQL 12, Redis)

- Create software engineering and operations best practices across teams including deployment and local development environment automation. (Docker, Vagrant, Ansible, Jenkins, Shell, GitHub)

- Perform sales, demo, and support tasks associated with products listed above.

Senior Software Engineer - Global Compute Security   October 2017 - April 2018
Apple Inc, Cupertino, CA

- Developed new DevOps technologies to improve the development and deployment pipeline of our global load balancing technology. These improvements allowed our team to develop the technology with the assurance that it would be successful in a global deployment.

- Developed new tools to perform idempotent modifications to our global load balancing technology. These changes allows our operations teams to more quickly respond to customer needs.

- Utilized Lua to write various plugins and web application firewall rules to improve the security of our global footprint.

- Implemented various software development lifecycle patterns to decrease development times and improve the speed at which software was deployed to production across many teams.

Software Engineer   June 2015 - October 2017
Ionic Security Inc, Atlanta, GA

- Developed and designed a large AngularJS web application.

- Implemented and maintained multiple enterprise API authentication strategies in Golang and AngularJS.

- Leveraged Golang's compiled nature to simplify deployments and decrease ops issues.

- Developed and maintained the development environment used by front end software engineers.

- Developed a distributed authentication and routing system for a SOA using Golang, Nginx, and Lua.

- Integrated the Jenkins Continuous Integration(CI) systems into the existing deployment processes.

- Implemented web application security standards defined by OWASP.

Software Engineer   August 2013 - June 2015
Georgia Tech Research Institute, Electronic Systems Laboratory, Atlanta, GA

- Designed and developed Django/AngularJS software systems for the Department of Defense, Army, and Navy.
- Presented software demos to Department of Defense derived clients.

Consultant, Owner   May 2014 - Present
JTE Technologies, Atlanta, GA

- Designed and developed large Django/AngularJS and Golang/AngularJS software systems.

- Setup continuous deployments for multiple projects of varying technologies through GitLab CI and Docker Swarm.

- Provisioned and maintained multiple Docker Swarm clusters using Ansible and Terraform.