

Dec Kolakowski

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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

Development Lead - Global Compute Security October 2017 - Present
Apple Inc, Cupertino, CA

- Lead the development of a global security and compliance web-based software platform that enforces best security and compliance practices across roughly 100 thousand users and hundreds of thousands of compute systems.
- Design, develop, and package a highly portable agent running on hundreds of thousands of systems which reports security and compliance statistics back to a central system.
- Operate a 1TB+ PostgreSQL instance.
- Integrated software engineering standards into group daily practices.
- Leveraged Ansible to assist in the maintenance of a global fleet of web application firewalls and load balancers.
- Provided an additional layer of web application security via a global WAF (Web Application Firewall).

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.