Alex Anelli

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SKILLS

TOOLS & CONCEPTS

Kubernetes, Helm, Git, Docker, Distributed Systems Troubleshooting/Debugging, CI/CD & Automation, AWS/GCP/vSphere, Terraform, Microservice Architecture, VM Orchestration, Network Design & Load Balancing, API Development/Integration, Cloud Foundry

LANGUAGES

Go, SQL, Shell, Python, Javascript, jQuery, CSS/HTML, YAML

EXPERIENCE

CLOUD ENGINEER | STARK & WAYNE LLC | 05/2017 - PRESENT

OPEN SOURCE DEVELOPMENT
- Developed an OAuth based login system and multi-tenancy support for a disaster recovery solution
- Added SSL functionality to a MitM networking debugging tool
- Architected an ORM for the database solution in an on-demand data services marketplace tool
- Integrated new BOSH API endpoints into a community Golang library used across multiple internal projects
- Created an API scraping and data aggregation tool to give Agile PMs an Excel/Tableau friendly overview of how a team of ten engineers was interacting with their new cloud infrastructure
- Monitored 300+ public repos, used by several Fortune 10-100 clients, to maintain open source community engagement using Github issues and pull-requests

PLATFORM ARCHITECTURE
- Maintained platforms on GCP/AWS/vSphere with hundreds of VMs used by up to 100+ developers by leveraging Kubernetes, Cloud Foundry, and BOSH
- Developed bespoke OSBAPI-compliant service brokers to integrate proprietary client services with Kubernetes and Cloud Foundry
- Partnered with Pivotal (now VMware) as a Solutions Architect during multiple Pivotal on-site engagements
- Automated apps and infrastructure utilizing Concourse CI and modern CI/CD techniques such as canary deployments, smoke tests, and infrastructure as code
- Deployed 12-factor apps to Cloud Foundry using cloud-native techniques including CI/CD and blue-green/AB deployments

CONSULTING
- Empowered client operations teams to design, deploy, and maintain bespoke, highly-available platforms using contemporary best practices in distributed systems design
- Facilitated cross-team collaboration, both on-site and remote, using Agile practices, Zoom, Slack, Trello, and Pivotal Tracker
- Advised and assisted clients in presenting bleeding-edge cloud technologies to their own prospective clients

FULL STACK ENGINEERING INTERN | CLASSAVO | 01/2017 - 05/2017
- Designed, implemented, and debugged a suite of "interactive textbook" software, adopted by several universities, using Django, Python, jQuery, and SQL
- Started and maintained a wiki for new developers using Markdown and Github wikis

EDUCATION

BS COMPUTER SCIENCE | UNIVERSITY AT BUFFALO | 05/2017