Barry Williams

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PROFILE

Senior Cloud Engineer with experience in cloud platform technologies, software development, architecture, leadership, and communication.

- **Leadership**
- **Technical Communication**
- **Architecture**
- **Kubernetes**
- **Docker**
- **Cloud Foundry**
- **DevOps**
- **Innovative**
- **Microservices**

RELEVANT EXPERIENCE

DevOps Engineer - Cloud Foundry & Elasticsearch   2016 - Present
AT&T Inc, Remote

Elasticsearch

- Responsible for packaging, automating, and supporting Kubernetes, Docker, and VM based deployments of Elasticsearch and related products (ELK stack)
- Designed, maintained, and supported Ansible role for deploying full ELK stack on Kubernetes to serve as the core logging system for all apps in the cluster
- Created and maintained many Jenkins jobs with a focus on improved tracking of artifacts
- Created a fork of the Elasticsearch Java plugin SearchGuard - adding support for proprietary AT&T authentication and authorization backends. This plugin is standard in all our deployments and it has become a mainstay for security
- Wrote utilities and automation using Java, Python, Bash, Ruby, and Ansible to improve process and efficiency
- Written and maintain many of our team's wiki pages, including training videos. I am one of the largest contributors on the team
- Written many user stories and tasks, to add new features or remedy issues, improving product quality and shaping product direction
- Have worked 24/7 production support and daytime support

Cloud Foundry

- Supported AT&T's Cloud Foundry efforts
- Transitioned a Cloud Foundry app - which is part of a larger application - to run on Kubernetes, including integration with the existing external systems

Owner and Architect   2016
NextEvolution LLC, Denver, CO

- Created a platform empowering self-owned online retailers to automate their sales activities
- Designed scalable microservices written in Golang, using Redis and Elasticsearch as data stores and NATS as a message bus

Senior Software Engineer - Cloud Foundry   2015 - 2016
Pivotal Software Inc, Denver, CO

- Developed microservices in Golang which perform application logs and metrics aggregation for Metrics APM product, empowering developers and operators with better visibility
- Performed full software lifecycle: developed with Golang, tested with Ginkgo, continuous integration with Concourse, deployed to many environments with Bosh, and deployed to production on Pivotal Web Services

Lead Software Engineer   2013 - 2015
Williams & Garcia LLC, Atlanta, GA

Translating an Enterprise application into Microservices

- Led a team of 4 developers in translating a business-critical monolithic enterprise PHP application into RESTful Spring/Java microservices
- Developed architecture, translation process, and future plans, then effectively communicated these to client leadership through technical presentations and meetings
- Designed developer workflow and coached developers - including tooling, workflow processes, and agile approach
- Wrote a code generator that aided in the translation of existing functionality into the new code - automating 90% of the work

Cloud Foundry

- Successfully deployed early version of Cloud Foundry on vSphere
- Developed multiple applications/microservices to run on Cloud Foundry
- Developed a Service Broker for data security API prototype

TECHNOLOGIES

Platforms	Docker, Kubernetes, CloudFoundry, vSphere, Openstack, Linux, Vagrant, Jenkins, Concourse CI
Languages	Java, Bash, Python, Golang, Ruby, RAML
Database/Service Discovery	ELK Stack (Elasticsearch), Redis, Consul
Frameworks	Ansible, Bosh, Ginkgo/Gomega, Sinatra, Watir
Concepts	Agile/Lean, XP, TDD, CI/CD, Microservices

EDUCATION

Southern Polytechnic State University - Computer Science - BS   2013