

J. Scott Ames

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SUMMARY

Highly competent and organized DevOps engineer with experience designing, implementing and maintaining automated, highly available and secure systems infrastructures and data-center operations across public cloud & on-prem. Precise, articulate and adept in interdepartmental and client communications. Committed to continuous skill development. Eager to take on new challenges and deliver high quality results, particularly in a collaborative setting.

QUALIFICATIONS | SKILLS

- Cloud architecture, automation & security
 - AWS, Google Cloud, Azure
 - Serverless (Lambda) event driven architecture
- Container orchestration
 - Kubernetes, Nomad, ECS, Docker
- Virtualization
 - VMWare, KVM, Docker, LXC
- Automation, orchestration & configuration management
 - Terraform / cloud native, Vagrant, Packer
 - Golang, Bash, Ruby, Python, PowerShell/DSC
 - Puppet, Ansible, Chef, cloud native
- Monitoring: Datadog, Splunk, Cloudwatch, ELK, Prometheus, Nagios
- High availability and disaster recovery
- Leadership, training & mentoring
 - 5+ years leading teams of DevOps engineers, including architecture, planning & executing solutions for internal systems and customer facing products
- Server / cluster administration w/ focus on opensource
 - Linux: Ubuntu, Container Linux (CoreOS), Red Hat + Unix
 - Windows Server + Azure Cloud
- Database management & automation
 - Cloud native (DynamoDB, RDS, Spanner, etc.)
 - MySQL, PostgreSQL, MongoDB
 - Vault, Consul, Etc
- Networking & Security: VPC, Meraki, HP, Fortinet, Dell, Nessus
- Hardware systems maintenance and installation

WORK EXPERIENCE

Bitnomial | Seattle, WA (Remote)

2021 — Present

DevOps Engineer

Bitnomial was founded in 2014 to create a marketplace connecting native digital asset hedgers with institutional traders. Bitnomial offers improved derivatives exchange technology coupled with new digital asset settlement systems.

Shujinko | Seattle, WA

2018 — 2021

Lead DevOps Engineer / Co-Founder

Shujinko is a software as a service (SaaS) that simplifies, automates and modernizes IT audit preparation and readiness for enterprises. The Shujinko platform streamlines the complex, manual and costly process required for companies to successfully prepare for and pass compliance audits.

- Led team of DevOps & backend software engineers
 - Partnered with product and leadership to develop, prioritize and deliver features and projects
 - Agile planning, mentoring & code reviews
- Architecture
 - Built the foundation for newly formed company's infrastructure and SDLC with security best practices
 - Using tools such as: Terraform, Packer, AWS (ECS, EKS, Aurora, Lambda, etc.), GCP, CircleCI, Golang
 - Responsible for development & lifecycle of cloud infrastructure, backend systems (microservices), continuous integration & delivery (CI/CD) and the overall health of the Shujinko platform

PROJECTS

CI/CD

- Achieved fully automated deployment pipelines for both application and infrastructure from non-production to production through the development of a custom and extensible framework that could be centrally maintained and implemented across hundreds of GitHub repositories using tools like:

- Mage, Make, Golang, Bash, Terraform & CircleCI

Infrastructure & Security as Code

- Helped customers implement security best practices in their public cloud by developing a library of hundreds of custom Terraform modules (also used internally) that can easily be deployed through the Shujinko product

GitOps

- Improved development efficiency & collaboration with self-service GitOps model allowing engineers & employees to deploy resources at will and in some cases with gated approvals including everything from s3 buckets to GitHub repositories

Event Driven Architecture

- Collaborated on the design and implementation of the most sought out product at Shujinko. The product was able to achieve high efficiency and scale by using an event driven (Lambda, SQS, etc.) backend system used to retrieve customer data from third party APIs (IaaS, SaaS, etc.)

Starbucks Coffee Company | Seattle, WA (Remote from San Francisco, CA)

2016 — 2018

Lead DevOps Engineer

Co-led a team of DevOps & software engineers to implement containerized microservices platform

- Engineered highly resilient, repeatable, and secure cloud infrastructure written in a declarative model to achieve infrastructure as code at scale that could be easily adopted by software development teams
 - AWS, Terraform, Kubernetes, Vault, Ansible, Concourse (CI/CD)
- Launched a global rewards program on the platform that handled millions of transactions a day and went on to host many more services for internal teams across the company

Clustrix | San Francisco, CA

2015 — 2016

IT Infrastructure Engineer

- Engineer and maintain datacenter and cloud infrastructure
 - 300+ physical servers
 - 100+ virtual servers / container services
- Reduced data center power footprint saving \$3k recurring monthly costs
- Procure, provision, configure and deploy new infrastructure and services (physical and cloud)
- Design, manage, and maintain automation relied upon by engineering, qa and other teams
 - PXE, kickstart, ansible, puppet, python + bash
- Assess, communicate and remediate risks associated within the IT infrastructure and systems
- Security vulnerabilities, hardware failure, business continuity
- Systematically develop and maintain internal documentation (mediawiki & confluence)
- Manage IT vendor relationships through vendor selection, contract renewals, licensing

CARDFREE | San Francisco, CA

2014 — 2015

Sr. Infrastructure Engineer

- Engineer & maintain enterprise infrastructure through highly available virtualized solutions
 - Focus on engineering back end systems and infrastructure spanning two datacenters to support highly transactional systems
- Created consistent and agile server infrastructure with Puppet (infrastructure as code)
- Implement infrastructure automation eliminating hours of manual processes through scripted jobs and reactionary alerts
- Improve environment health monitoring through Zabbix implementation and Splunk collection analytics, alerts and dashboards
- Develop highly effective working relationship with developers to achieve efficient, successful solutions and code deployments

PROJECTS

Puppet

- Saved hundreds of manual build hours and thousands of dollars by migrating to an open source Puppet cluster from Puppet Enterprise
- Created strong, well documented workflow for contribution and deployment with the use of Git, R10k, Hiera, custom ruby and tests for functionality, style and syntax

Infrastructure Monitoring

- Gained redundant health monitoring & alerting quickly by implementing Zabbix across datacenters utilizing Puppet

Local development platform

- Improved local development through custom production spec'd vagrant images using Puppet, Packer and Vagrant eliminating numerous factors that can cause development and deployment issues downstream

System Administrator II

- Maintain operations of enterprise server and desktop infrastructure (100+ server, 400+ desktop)
 - Linux, Windows and Unix - Physical & Virtual environment (VMWare + Hyper-V)
 - Primary on Linux environment, Nagios/Orion (Server Monitoring), Puppet/System Center
- Architect & implement internal IT projects to save money, create time efficiencies and reduced manual dependencies
 - Configuration management, change management, power management, vendor management (web based solutions)
 - Ubuntu, Puppet, SVN, Nagios, VMWare
- Manage highly available systems and disaster recovery (performed bi-yearly) between multiple datacenters
- Part of small team which successfully relocated two (primary & failover) datacenters in short time period
- Training/mentoring individuals on processes, solutions and products deployed

Full CV can be found at scott.ames.sh/cv

EDUCATION | TRAINING

Technical Coursework

Golang, AWS, Cloud Architecture, RHEL, Ubuntu Linux

General Coursework

Community College of Denver

2006 — 2008

School of Engineering

University of Colorado at Denver

2005 — 2006

CHARITABLE WORK | INTERESTS

Impact Ethiopia | Addis Ababa, Ethiopia

Ethiopia Community Development

2011 - 2014

- Developed and implemented internet cafe technical infrastructure in Addis Abeba, Ethiopia
- Plan and coordinate strategic and intentional vision for yearly trips including:
 - Leadership development & partnerships for improving quality of life for elderly, homeless and those with HIV

REFERENCES

References available upon request.