Chase Farrant

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ABOUT ME

I excel at maximizing DevSecOps efficiencies at scale, empowering developers, and breaking down traditional IT barriers. My strengths include architecting and maintaining resilient infrastructure patterns, modernizing legacy tech stacks, and continually refining deployment and release processes for both services and infrastructure. I believe development speed is the most important factor to optimize when developing software.

EXPERIENCE

Veritone   **Costa Mesa, CA**
Staff Engineer   *Apr. '22 — Present*

- Worked with management and lead devs to orchestrate a complex deployment process for 27 services simultaneously via a unified version number. The deployment spanned 1000+ virtual machines across Azure and AWS, 30+ load balancers, and 20+ scaling groups for the largest environment. Using Python and multi-threading, I reduced the deployment time from 12 hours to 35 minutes without downtime.
- Overhauled and standardized the legacy deployment process for 60+ docker containers across multiple BUs. Improvements include a 96% reduction in code, migrating from Ruby to Python, config-driven deployments, cleaner logging, added error handling, and added tests.
- Modernized our operations stack using Terraform to create EKS clusters and ArgoCD to provision various services via Helm charts.
- Replaced the legacy Jenkins infrastructure by migrating it to Kubernetes and utilizing configuration-as-code (Groovy) to maintain it.
- Migrated various builds to GitHub actions and converted multiple applications to run within Docker containers.

Artisan Technology Group / Viagio   **Kansas City, MO**
Senior Cloud Engineer   *Jun '21 — Apr. '22*

- Stood up greenfield infrastructure and CICD pipelines for seven separate projects in either AWS or Azure.
- Reduced onboarding time from months to days for new clients by developing generic IaC templates for Azure and AWS. For AWS, I used CloudFormation, CodeBuild, and CodePipeline. For Azure, I used ARM/Bicep templates and Azure DevOps.
- Codified manually created resources of a large client by standardizing resources across environments before importing them into Terraform.
- Provided guidance and feedback to two direct reports on the Cloud Engineering team.

Cloud Engineer   *May '20 — Jun '21*

- Collaborated with clients and lead developers to architect and construct solutions tailored to their specific needs. This process usually involves carefully balancing cost, quality, and speed to ensure the most effective and efficient solutions.
- Provided MSP-type services and consulting for four long-term clients. This included supporting legacy infrastructure and gradually refactoring it for better maintainability.
- Documented and rolled out a multi-account AWS Organizations structure that enabled developers to log in via SSO and quickly switch between AWS accounts via the CLI.

Balance Innovations   **Lenexa, KS**
Cloud Automation Engineer   *May '17 — May '20*

- Reduced new environment setup time by 95% for single-tenant applications via CloudFormation templates.
- Trivialized provisioning of 3rd party resources by developing CloudFormation custom resources for Auth0, Cognito, and Okta using Python.
- Used AWS SSM MaintWindows, PatchGroups, Documents, and PatchBaselines to automatically keep 100+ Windows and Linux servers up-to-date without downtime. This saved approximately 20 hours a month of manually updating VMs.
- Automated the setup and configuration of CodePipeline across multiple AWS accounts for 30+ services.
- Implemented centralized CloudTrail and VPC logging for all AWS accounts that may be queried with Athena for audit purposes.
- Helped standardize the "microservice" stack of API Gateway, Lambda, Python, DynamoDB, and SNS/SQS across the organization.

Billsoft / EZTax / Avalara   **Overland Park, KS**
Continuous Integration Engineer   *Jan. '16 — May '17*

- Automated the deployment and DB migrations of 17 applications throughout all environments via Ansible Tower. The deployments were originally all done manually and were very easy to mess up. Once implemented, issues and downtime dropped significantly.
- Championed the migration to AWS for three web applications. These were mostly lift-and-shift backed by EC2 instances and load balancers.
- Wrote a lengthy MSSQL script to restore the entire UAT environment from production, saving about two days of manual work each time.

Network Administrator   *Jun. '14 — Jan. '16*

- Improved database resiliency by creating 30+ SQL jobs for reindexing, backups, and weekly restoration testing.
- Developed multiple C# GUI applications for managing clients, processing client data, and parsing Watchguard firewall XML configurations.
- Enhanced visibility of the entire network by utilizing PRTG dashboards to monitor 150+ servers and devices.

CERTS

AWS DevOps Engineer - Professional   Validation ID: D1910DW1MJREQX3N
AWS Solutions Architect - Professional   Validation ID: R1WZ8K91B1441M32
Certified Kubernetes Administrator (CKA)   Certificate ID: LF-PTLZW99KAC

EDUCATION

Kansas State University - Manhattan, KS
Bachelors of Science in Computer Engineering - *Speciality: Networking and Multimedia*