Jacob F. Grant

Website: jacobfgrant.com | LinkedIn: jacobfgrant
Email: jobs@jacobfgrant.com | GitHub: jacobfgrant

Skills

Programming & Development

- Python, Bash/Zsh
- GitHub Actions, Jenkins, AWS CodeBuild, Concourse CI
- AI-assisted development (Codex, Claude Code, Augment)

Cloud Infrastructure

- AWS (EC2, Lambda, ECS, RDS, DynamoDB, Secrets Manager)
- Terraform, Kubernetes, Helm
- Cost optimization, serverless, Infrastructure-as-Code (IaC)

Systems & Operations

- Linux, Docker, Packer
- Ansible, Chef, MDM
- Monitoring, incidents, & alerts (New Relic, CloudWatch, Wavefront, PagerDuty)

Experience

Present – Oct 2024
Senior Site Reliability Engineer
Bonfy.ai / Kiteworks

- Own infrastructure and reliability practices as half of a two-person SRE & infrastructure team, managing all AWS resources across a dozen environments via Terraform.
- Designed and built over two dozen custom Terraform modules across multiple providers (AWS, Cloudflare, 1Password), eliminating redundant code and significantly reducing complexity.
- Built and managed CI/CD in GitHub Actions, adding autoscaling self-hosted runners (ARM, AMD, GPU) and enabling multi-arch builds with automated testing, deployment, and rollback.
- Developed observability platform in New Relic; dashboards are reviewed daily in production meetings and alerting has caught production issues before customer impact multiple times.
- Architected email ingestion system using SES to receive, store, process, and analyze thousands of messages daily.

Aug 2024 – Apr 2021
Site Reliability Engineer
VMware / Broadcom

- Led design and implementation of unified feature flag management system, consolidating three disparate systems into a single Python API and web UI. Coordinated across multiple engineering teams to establish SRE as single point of control, eliminating inconsistencies that had caused multiple incidents impacting customers.
- Designed and automated RDS upgrade runbooks for production databases supporting VMware Cloud on AWS.
- Participated in follow-the-sun on-call rotation as first point of contact for Fortune 500s, governments, and major academic institutions, using Wavefront, PagerDuty, and Jira.
- Developed and tuned alerting in Wavefront, maintaining alerts as code with documentation.

Apr 2021 – Jul 2019
DevOps Engineer/SRE (Consultant)
Taos / IBM

- Led AWS cost optimization across more than two dozen development teams: implemented tagging standards via API, Terraform, and CloudFormation, and delivered rightsizing and architecture recommendations. Identified savings of 20–40% per team.
- Designed and implemented Lambda function deployment pipeline in Jenkins, enabling version-pinned deployments and instant rollback via Terraform.
- Developed CLI tools and libraries to automate Terraform module upgrades via GitHub API and to catalog AWS resources/usage patterns for cost analysis.
- Built automated cost reporting system using Lambda and SES, delivering daily projections and analysis to leadership.

Feb 2019 – Oct 2015
Systems Administrator
Mraz Amerine & Associates

- Led migration to cloud-based systems (Office 365, AWS) and introduced configuration management and automated deployment, improving uptime and reducing technology issues by over 70%.
- Implemented security and backup policies — continuous backups, Single Sign-On (SSO), secure document handling — to meet compliance requirements for a registered investment adviser.

Education

May 2015 | **University of California, Berkeley** | *Bachelor of Arts, Economics*
Coursework in Computer Science, economic research, econometrics, applied statistics, linear algebra, and data analysis.

Technical Certifications

- AWS Solutions Architect – Associate
- HashiCorp Certified: Terraform Associate