Jacob F. Grant

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SKILLS

Programming & Development	Cloud Infrastructure	Systems & Operations
• Python, Bash/Zsh • GitHub Actions, Jenkins, AWS CodeBuild, Concourse CI • AI-assisted development (Claude Code, Augment)	• AWS (EC2, Lambda, ECS, RDS, DynamoDB, Secrets Manager) • Terraform, Kubernetes, Helm • Cost optimization, serverless, Infrastructure-as-Code (IaC)	• Linux, Docker, Packer • Ansible, Chef, MDM • Monitoring, incidents, & alerts (NewRelic, CloudWatch, Wavefront, PagerDuty)

EXPERIENCE

Present
Oct 2024

Senior Site Reliability Engineer
Bonfy.ai

- 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 15+ custom Terraform modules across multiple providers (AWS, Cloudflare, 1Password), eliminating redundant code and significantly reducing complexity.
- Managed and extended 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 NewRelic; 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 up to 40% for some teams.
- 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 | *Bachelors 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