Jacob F. Grant

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SKILLS

Engineering & Computer Science

Programming & Development
- Extensive programming experience in multiple languages including **Python** and **Bash**.
- Building out **CI/CD pipelines** in Jenkins, AWS CodeBuild, GitHub Actions, Concourse CI, etc.
- Working with ancillary tools such as **git**, frameworks, and databases.

Cloud Technologies
Managing cloud infrastructure in **AWS**, **Heroku**, **DigitalOcean**, etc. – with a focus on **cost optimization**, cloud architecture & security, and serverless applications – using orchestration tools such as cloud **APIs**/**SDKs**, **Terraform**, and **Kubernetes**.

Systems Administration
System adminstration, homelabbing, networking, client platform engineering, and DevOps methods with **macOS** endpoints (**MDM**/**DEP**, **Munki**, etc.), **Linux** servers, **Docker** containers, virtual machines, and configuration management using **Ansible** and **Chef**.

Communication & Leadership

- Proven ability to work and communicate as part of a team on complex projects using Agile methodologies.
- Project management experience emphasizing delivering goals and developing individual team members.
- Background analyzing, communicating, and writing about complex and technical topics in a clear and concise manner.
- Experience understanding, analyzing, and meeting the technology and business needs of clients, coworkers, & customers.
- Ability to quickly adapt to and learn new technologies.

EXPERIENCE

Site Reliability Engineer
VMware / Broadcom
Aug 2024 – Apr 2021
- Implement and extend **SRE** & **DevOps practices** in support of VMware Cloud on AWS.
- Focus on designing, building, and maintaining **highly reliable, available, and distributed services** to **minimize impacts** to internal stakeholders & external customers and reduce operation burden & toil.
- Participate in SRE on-call rotation with comprehensive monitoring and logging systems to minimize customer impact and **increase uptime**.

DevOps Engineer/SRE (Consultant)
Taos / IBM
Apr 2021 – Jul 2019
- Spearheaded **cloud cost optimization/reduction efforts, budgeting and cost projections, and management of AWS resources and infrastructure** across multiple development teams through orchestration tools.
- Implemented DevOps practices to **streamline development** and **reduce AWS resource usage**.
- Built custom command-line tools and CI/CD pipelines to **automate/simplify tasks and business processes**.

Systems Administrator
Mraz Amerine & Associates
Feb 2019 – Oct 2015
- Oversaw technology and data management at Mraz, Amerine & Associates, a registered investment advisory firm.
- Supervised shift to cloud-based systems, including Microsoft Office 365 and AWS, **increasing uptime, improving performance, and drastically reducing work-impacting technology issues**.
- Implemented and oversaw much-needed security and backup policies – including company-wide continuous backups, Single Sign-On (SSO), and securely sending, receiving, and archiving sensitive financial documents – **protecting client data and reducing regulatory and business risk**.
- Provided various technology-related business support, ranging from endpoint deployment, patching, and monitoring, to user troubleshooting, to documenting technical systems and procedures.

EDUCATION

University of California, Berkeley | *Bachelors of Arts, Economics*
May 2015

My studies focused on the mathematical and statistical analysis of individuals and firms within larger financial, regulatory, and legal systems, and included courses in Computer Science, programming, linear algebra, and computationally intensive applied statistics to acquire more sophisticated tools for understanding and utilizing data.

I participated in several individual and group projects focused on conducting and presenting economic research and statistical analysis, as well as group projects on programming, software development, and cloud computing.

Technical Certifications

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