Mohamed Saeed

Senior SRE / DevOps Engineer
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As a Senior SRE / DevOps engineer with 5+ years of experience, I excel in designing and managing the reliability and security of SaaS systems. My expertise includes automating infrastructure provisioning on AWS and GCP using Terraform, designing and developing CI/CD pipelines, containerizing applications and managing them via Docker and Kubernetes. I am proficient in monitoring systems using tools such as Prometheus and Grafana. I successfully led a small team of SREs to deliver projects on time and managed daily standups, sprint planning, and task delegation. I always communicate technical concepts effectively to both technical and non-technical stakeholders. I'm passionate about delivering innovative solutions and results.

SKILLS

- Prometheus
- Grafana
- Kiali
- Cloudprober
- Containers
- Docker
- Kubernetes
- Helm
- Terraform
- GitOps
- AWS
- GCP
- CI/CD
- Jenkins
- Github Actions
- CircleCI
- Mozilla sops
- AWS secrets manager

WORK EXPERIENCE

DevOps Engineer

Tamara 08/2023 - Present

In early 2022, Magalix was acquired by Weaveworks.

- Led the successful migration of our infrastructure from OCI to GCP, including planning, design, and creation of the new infrastructure. Developed and implemented Terraform modules, reducing provining time for the infrastructure to couple of hours.
- Managed weekly production meetings, defining some key system metrics to improve observability. Analyzed these metrics to detect abnormal behaviors.
- Participated with the team tp optimize the alerting system by reducing noisy alerts.

Senior Site Reliability Engineer SRE

Weaveworks 01/2022 - 08/2023

In early 2022, Magalix was acquired by Weaveworks.

- Led and managed a team of 3 SREs in the successful migration of our SaaS system and infrastructure from GCP to AWS, in collaboration with the CTO and engineering team, to support our integration with Weaveworks.
- Developed an automated process for provisioning on-demand test/demo environments with ease, using a single command and including all necessary applications. This helped the dev team to test feature branches more often and release features quicker than usual.

Site Reliability Engineer
magalix 04/2020 - 01/2022

- Improved the reliability and the security of our SaaS system and infrastructure, resulting in fewer system failures and increased data protection.
- Collaborated with the CTO to define the technical roadmap for the SRE team, resulting in the successful implementation of new technologies and tools to improve system performance.
- Contributed to product roadmap by testing, validating, and providing feedback, resulting in improvement in resources recommendations feature and improvement in CPU throttling detection feature.
- Owned the sprint planning for the SRE team and contributed to overall backlog grooming and sprint planning, resulting in on-time project delivery and improved team performance.
- Managed the daily SRE standups, prioritized tasks, and delegated responsibilities for a team of 3 SREs, resulting in increased productivity and efficiency.
- Managed on-call rotation and wrote playbooks that helped on-call engineers investigate and mitigate issues quickly and efficiently, resulting in reduced downtime and improved system stability.
- Participated in defining incident management processes and correction of errors (COE), resulting in faster incident response times and reduced system downtime.
- Managed and ensured the health of our kubernetes clusters.
- Took ownership of upgrading and enhancing the observability system using Prometheus, Grafana, ELK, and Kiali, resulting in significant improvements in system reliability and debuggability.
- Proactively ensured the health and operations of the deployment of Kafka, Redis, MongoDB, and PostgreSQL, resulting in significantly reduced downtime and improved system performance.
- Successfully led a project to reduce infrastructure cost, resulting in $36k annual savings and improved cost-efficiency for the company.
- Secured our software supply chain using Snyk, GitHub dependency scan, Anchore, and Gype, resulting in improved system security and reduced vulnerabilities.
- Enforced best practices and security policies using our policy as code engine, resulting in improved compliance and reduced risks.
- Implemented GitOps using FluxCD, resulting in faster and more efficient deployments.
- Automated the creation of SaaS environment using Terraform and Bash scripts, resulting in a 90% reduction in environment setup time.
- Prototyped single-tenant deployment of the SaaS system for on-prem customers, resulting in improved customer satisfaction and potential revenue growth.

DevOps Engineer
Fly365 12/2019 - 03/2020

- Managed and monitored the kubernetes clusters for production, dev and testing environments.
- Automated the creation of system infrastructure and deploy applications using terraform and bash scripts, resulting in reducing the environment creation time by 90%.
- Worked on a disaster recovery plan to ensure that our infrastructure and application could quickly recover in the event of an outage or disaster.
- Monitord the application and set the proper alerts.

The company shutdown operations globally in March 2020.

DevOps Engineer
Jobzella 06/2019 - 12/2019

- Containerized our applications using Docker, improving the portability and scalability of our system. This allowed for easier deployment across various environments.
- Took full responsibility for our AWS account, ensuring compliance with security best practices and optimizing our infrastructure for cost and performance. This included managing IAM policies, setting up VPCs, and implementing automated backups and disaster recovery.

DevOps Engineer
DXC Technology 08/2018 - 06/2019

- Automated deployment using Jenkins and Python scripts, ensuring that our software was quickly and reliably deployed to all environments including the Production. We reduced the time spent on manual deployments by over 90%.
- Automated infrastructure creation using Terraform on AWS, enabling us to easily create, manage, and modify environments as needed. This resulted in reducing the environment time creation by 95%.
- Joined a team dedicated to spreading the DevOps culture throughout the organization, supervising and assisting colleagues in automating their projects.

EDUCATION

Diploma: Open Source, Cloud Development 2017 - 2018
Information Technology Institute (ITI), Cairo

Bachelor of Engineering 2008 - 2013
Faculty of engineering, Suez University, Suez