Mohamed Saeed

Senior Site Reliability Engineer

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TECHNICAL SKILLS

Monitoring (Prometheus, Grafana, Kiali, Cloudprober)

Containers (Docker, Kubernetes, Helm)

Terraform

GitOps

Cloud (AWS, GCP)

CI/CD (Jenkins - Github Actions - CircleCI)

Manage Secrets (Mozilla sops, AWS secrets manager)

LANGUAGES

Arabic (Native)

English (Professional)

INTERESTS

Playing PS4

Boxing

Movies

👤 PROFILE

SRE with experience in leading and managing SaaS system reliability and security, designing and developing CI/CD pipelines, containerize applications and manage them via Kubernetes, automating infrastructure provisioning on AWS and GCP. I am passionate about scaling systems, learning new technologies, mentoring others, and being part of a team with an ambitious mission.

💼 EXPERIENCES

Senior Site Reliability Engineer
Weaveworks | Jan 2022 - Present

In early 2022, Magalix has been acquired by Weaveworks.

- Led a team of 2 SREs and worked closely with the CTO and engineering team to migrate our entire SaaS system and infra from GCP to AWS on a tight timeline as part of the integration with Weaveworks.
- Automated the provisioning of test/demo environments on-demand easily with one command, with all needed apps installed.

Site Reliability Engineer
Magalix | Apr 2020 - Dec 2021

- Responsible for the reliability and security of our SaaS system and infrastructure.
- Worked with the CTO for defining the technical roadmap for the SRE team.
- Contributed to the product roadmap with testing, validating and feedback which ended in improving our resources recommendations feature and cpu throttling detection feature.
- Owned sprint planning for the SRE team and contributed to overall backlog grooming and sprint planning.
- Managed the daily SRE standups, priortized, delegated, and reviewed tasks for a team of 2 SREs.
- Managed on-call rotation and wrote playbooks that help on-call engineer investigating and mitigating the issues quickly and efficint.
- Participate in defining incident management process and correction of error (COE).
- Upgraded and enhanced our observability system using prometeus, grafana, ELK and kiali to improve reliability and debuggability of our system.
- Responsible for the health and operations of our deployment Kafka, Redis, MongoDB, and PostgreSQL.
- Led a project to reduce our infrastructure cost resulting in $36k annual saving.
- Secured our software supply chain using snyk, github dependancy scan, anchore and grype.
- Used our policy as code engine to enforce best practices and security policies.
- Implemented gitops using FluxCD.
- Automated the creation of SaaS environment using terraform, FluxCD and bash scripts.
- Prototyped single-tenant deployment of our SaaS system for on-prem customers.

DevOps Engineer
Fly365 | Dec 2019 - Mar 2020

- Manage and monitor kubernetes clusters.
- Monitor the application and set the proper alerts.
- The company shutdown operations globally on March 2020.

DevOps Engineer
Jobzella | Jun 2019 - Dec 2019

- Containerize the applications.
- Full responsibility about AWS account.

DevOps Engineer
DXC Technology | Aug 2018 - Jun 2019

- Automated deployment using Jenkins and python scripts.
- Automate infrastructure creation using Terraform on AWS.
- Joined a team that aimed to spread DevOps culture, supervise and assist colleagues to automate their projects.

🎓 EDUCATION

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

2017 - 2018

Bachelor of Engineering
Faculty of engineering, Suez University, Suez

2008 - 2013