Omar Hamad

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EXPERIENCE

DevOps Engineer   September 2022 - Current

GDSC Future Academy | Cairo, Egypt

Currently, I am serving as a DevOps Engineering Lead in the GDSC Future Academy, where I am responsible for supporting and mentoring other individuals in the DSC community across Egypt. During my time here, I have taken a keen interest in DevOps practices and have dedicated significant time to studying and implementing them in various projects.

- Optimized the deployment process for several open source projects. I rose to the challenge by implementing a cutting-edge CI/CD system that utilized powerful tools like Jenkins, GitHub Actions, and CircleCI.
- Drawing on my expertise in Docker, I was able to create optimized images that were both smaller in size and faster to deploy.

Software Engineer   Dec 2019 - July 2021

POSP | Remotely, India

I was responsible for developing and maintaining device sources and kernels. Additionally, I created a CI/CD pipeline that automated the AOSP and kernel builds using Jenkins and GitHub Actions. I utilized both Bash and Python scripting languages to develop this pipeline, and implemented it using Jenkins pipelines.

- Managed merging latest linux kernel updates into our sources to keep it always up to date to our users.
- Created a CI/CD pipeline that automates the build process of the Linux kernel.
  - Configured the pipeline to trigger a build whenever any commits are merged to the code.
  - Utilized Telegram API to notify the team once the build is complete.
  - Automatically Upload the build artifacts for testing.
- Managed organization's Jenkins nodes to optimize the infrastructure.
  - Worked closely with team members to identify issues and implement solutions that improved the build process.
  - Utilized best practices to enhance the performance of Jenkins nodes, resulting in a 20% increase in build speed and reduced downtime by 30%.

EDUCATION

Future Academy | Bachelor of Science in Computer Science   Expected July. 2023

- GPA: 3.2/4.0

SKILLS

Python, Django, Node.js, React, Javascript, Trello, Slack, Jira, Migration, Deployment, Monitoring & Security, GitOps, Docker, Maven, npm, Kubernetes, Jenkins, Terraform, Travis-CI, Ansible, OpsWork, Cloudwatch, Bitbucket, Gitlab-ci, GitHub Actions, DNS, Load Balancing, Bash, Python, Node.js, Powershell, Postgres, MongoDB, MySQL, Nginx, Apache.