Irmak Mere

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LinkedIn / **Portfolio Website** / **GitHub**

Dedicated and results-driven DevOps professional with 3 years of hands-on experience in optimizing and streamlining IT operations. Seeking a challenging role to leverage expertise in DevOps technologies and Cloud Infrastructure to contribute to a dynamic team.

Technical Skills

Cloud Technologies, Certificates	AWS Sysops
Operating Systems	Linux (Ubuntu, Arch, Fedora), macOS, Windows
Container Technologies	Docker, Kubernetes
Scripting	Python, Bash, PowerShell
Version Control System	Git, GitHub
Configuration Management, IaC	Ansible, Terraform, Maven
Continuous Integration/Continuous Delivery	Jenkins, CircleCI, Gitlab, CI/CD
Networking	TCP/IP, DNS, and routing
Monitoring and Logging	Prometheus, Nagios, Kibana
Others	Maintenance and Hardware Repair

Professional Summary

Caltech California Institute of Technology — *DevOps Engineer*

Mar 2021 – Mar 2023

- Designed and implemented Jenkins-based CI/CD pipelines, automating end-to-end CI/CD processes, reducing deployment errors.
- Hands-on experience on cloud services like AWS (EC2, AMI, S3, RDS, Cloud Watch, IAM, Security Groups, VPC and Auto-Scaling).
- Successfully added Kubernetes clusters as runners to GitLab, enhancing scalability and build performance. Managed and maintained clusters, Implemented rolling updates.
- Demonstrated proficiency in Ansible and Terraform, creating infrastructure on AWS using Terraform and managing package installations using Ansible.
- Set up Kubernetes Ingress and Ingress controller from scratch, optimizing application routing and resource allocation.
- Infrastructure Patch management for all Unix servers using Ansible.

- Application monitoring configurations – setting up the Prometheus, Grafana.
- Developing and maintaining the continuous integration and deployment pipelines using Jenkins, Git, Maven, Ansible.
- Written the Ansible YAML scripts to configure the remote servers.
- Jenkins CI/CD Pipeline configuration using declarative pipeline for each stage of deployment.
- Experience in automation of manual tasks & processes enabling better governance and compliance using Python.
- Streamlined the CI/CD pipeline for Java-based applications using Maven, resulting in a 20% reduction in build and deployment times.
- Introduced version control best practices with Git, improving code collaboration and traceability.
- Provisioning AWS cloud infrastructure using Terraform and configuring them using Ansible.

Projects & Other Skills

- **End to End CI/CD Implementation – Jenkins**
  Implemented an end-to-end CI/CD pipeline for java-based application using Jenkins declarative pipelines. As part of pipeline, I've implemented various stages such as build, unit testing, static code analysis, creating, pushing of Docker Images and deployment.
  https://github.com/irmakm/insurance

- **Implemented 3-Tier Architecture – AWS**
  Implemented a three tier Architecture that is highly available and scalable using Terraform and deployed the application on EC2 Instances.

- **Install WordPress on a 2-Tier AWS Setup using Terraform – AWS**
  Images
  https://github.com/irmakm/2-Tier-Terraform-WP

- Cloud Cost Optimization – AWS
  Used the combination of AWS cloud watch and Lambda functions to decrease the cloud cost by 25 percent.

- Deploying the application using the Kubernetes Dashboard

- Deploying WordPress Website and creating instance with Terraform **–** AWS

-Hands-on Experienced on Static Web Hosting (MYSQL, Nginx, WordPress, Database, Apache, NodeJS, YAML, JSON).
-Easy to handle, restore and setup all Operating Systems.

-Knowledge of troubleshooting and repair most systems on servers, computers and mobile devices.
-Experience in creating users, packages, file permissions, services, network, troubleshooting log files and process administration in Linux Servers

EDUCATION

California Institute of Technology (CalTech)— *DevOps Engineer*

Mar 2021 - Mar 2023

Yasar University — Business Management
June 2006 - June 2010

WORK EXPERIENCE

STORE OWNER – TECHNICIAN
RT CELLULAR | North Hollywood, CA | 2016 – 2022

COMPUTER & MOBILE DEVICE TECHNICIAN
iProTech | Westwood, CA | 2015 – 2016

COMPUTER & MOBILE DEVICE TECHNICIAN
Repair Stop | Sherman Oaks, CA | 2013 – 2015

MARRIOTT BARONY BEACH CLUB (INTERNSHIP)
Marriott Hotels | Hilton Head Island, SC | 2010 - 2012