

MANJEETSINH ALONJA

93 SENECA HILL DR, NORTH YORK, N2J 2W3, ONTARIO, CANADA

(548) 398-0363 | alonjamohit77@gmail.com

LinkedIn: www.linkedin.com/in/manjeetsinh-alonja/

Personal Site: <https://monty16597.github.io/>

SUMMARY

As a DevOps engineer with 5 years of professional experience, I have honed my expertise in various service and product-oriented industries. Throughout my tenure, I have successfully managed and led numerous projects and teams, leveraging my proficiency in DevOps tools and technologies. Additionally, I have demonstrated my ability to design diverse systems. Beyond DevOps, I have actively contributed to open-source projects which show case my interests in Development processes.

SKILL

Cloud Services and Infrastructure: AWS, Azure

Containerisation and Orchestration: Kubernetes, Docker

CI/CD and Automation: Jenkins, GitHub Actions/Workflows

Configuration Management and Secret Management: Ansible, Terraform, Terragrunt

Authentication: Keycloak, Oauth, SAML

System Administration and Platform Engineering: Windows, Linux, MacOS

Version Control and Collaboration: Git, GitHub, GitLab, Bitbucket

Monitoring, Logging, and Visualisation: Datadog, Sumologic, Prometheus, Grafana, ELK Stack (ElasticSearch, Logstash, Kibana), Cloudwatch

Database Technologies: MySQL, MongoDB, DynamoDB, Redis

Other Skills: Platform Engineering, Solution Architecture, Cloud Native Architecture, Jira, Agile, REST and SOAP APIS

Programming Language and build tools: Java, Python, Javascript, NodeJs, Golang, Gradle, NPM, PIP

Soft Skills: Communications, Leadership, Time Management, Task Prioritization, Time Boxing

EXPERIENCE

January 2024 - present

DevOps Engineer - CoOp/Internship, GFL Environment

- Designed a centralized Infrastructure as Code (IaaS) solution using Terraform and Terragrunt, resulting in a 70% reduction in development time and Human errors
- Implemented architectural IAM roles with cross-account access for the AWS organization, thereby enhancing Cloud Access GFL's security
- Developed a cloud-based vehicle location tracking system to optimize operational costs
- Implemented Continuous Integration and Continuous Deployment (CI/CD) for IaaS, incorporating Quality, Security, and Styling checks. Manual end-to-end and environment-specific deployments are also supported
- Orchestrated the setup of an AWS organization to simplify the management of multiple AWS accounts
- Implemented DotNet AWS Xray and Cloudwatch Application Signals and tracing observability for enhanced application monitoring and observability

December 2021 - March 2023

DevOps Engineer | LambdaTest

- Enabled Zero Downtime Deployments on Bare Metal Servers using Python and Ansible
- Reduced development time by 75%
- Achieved End-To-End Custom Automation for MacOS and Ubuntu Machines, Android, and iOS Device enrolment using Ansible and Python
- Implemented End-to-End Automation for Terraform Operations

- Developed Comprehensive CI/CD Pipelines for Golang, Python, and Node JS
- Optimised infrastructure costs by \$10,000 per month, resulting in annual savings of \$120,000
- Oversaw Operations of Multi-Region Applications
- Automated Apple device certifications using Hashicorp Vault and Jenkins secured the Apple Account credentials and access
- Automated virtual machines and mobile devices setup on bare metal servers using MDM

April 2021 - December 2021

DevOps Engineer | EkZero

- Architecture central monitoring and logging using Elasticsearch, Logstash and Kibana (ELK)
- Migrated apps to IaC (Terraform) with automated deployments
- Modernised apps for scalability and high availability using Kubernetes/ECS
- Improved infrastructure agility and efficiency with AWS and containerisation (Kubernetes)
- Increased developer security with SSO for DevOps tools using Keycloak
- Led DevOps team to achieve reliability and scalability in the development team as well as infrastructures

July 2019 - March 2021

DevOps Engineer, OpenXcell

- Managed 12 Service-Based Projects as a DevOps Engineer
- Worked on On-Premise SEO Product for 25,000 Active Users
- Implemented Centralized Monitoring and Logging using Nagios and Icinga
- Reduced Infrastructure Costs by 80% with Serverless Architecture
- Improved response time by 75%, resulting in a faster user experience
- Protected Against DDoS Attacks with 1 Million Requests Per Minute
- Developed Python-based Bacteria Detection Backend with ML Techniques
- Reduced application release time by 66%
- Architecture and implemented logging and monitoring for a customer on Datadog
- Implemented APM to optimize application APIs using Elastic Stack

EDUCATION

August 2015 - March 2019

Bachelor of Engineering in Information and Technology (Software Engineering) | Gujarat Technical University | India

September 2023 - present

Post Graduate in DevOps In Cloud Computing | Lambton College | Toronto, Canada

CERTIFICATION

- AWS Solution Architect Associate (SAA)
- Certified Kubernetes Administrator (CKA)
- Azure Administrator (AZ-104)
- Terraform Associate

PROJECT

Localstack

- Contributed in AWS cloud simulation open source project with more than 50K stars on Github
- Implemented S3 Signing Algorithms, S3 backend, Cloudformation Backend in python
- Designed and Contributed in Terraform and Boto3 SDK integrations which allows Localstack to run with AWS's official SDKs

Moto

- A python implemented AWS mocking APIs and being used in Localstack
- Integrated AWS mocking APIs in Moto
- Added and restructured S3, Cloudformation, StepFunction APIs to achieve AWS simulations in Localstack

- Triaged and Fixed Terraform AWS test cases

OpenVPN Web UI Extension

- Adopted a Web GUI open source project for OpenVPN community versioned
- Implemented GUI feature and functionality
- Added Revocation functionality in GUI

Big Data Power Consumption Regression Model:

- Constructed a machine learning model predicting power consumption across 3 zones in Tetuan City
- Implemented XGBRegression Regression Model to predict power consumption
- Designed Flask Application for user interactions