

S MOHAMED KALANDAR SULAIMAN



Python / Go Backend Developer - Passionate software engineer with a strong commitment to learning and growth. Proficient in backend and distributed systems, with a focus on building scalable and efficient solutions.

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Work Experience

Trimble , Chennai - Associate SDET

July 2023 - Present

- Designed and developed an API automation testing framework in Python with a UI built using the Flask framework.
- Integrated test scripts with a CI/CD pipeline for automatic execution, and hosted them in a serverless ECS Fargate cluster.
- Successfully migrated existing test scripts from Postman to the new automation framework.
- Tools used
 - Flask, Requests, HTML, CSS, Bootstrap 5, Docker, AWS Fargate

Trimble , Chennai— Graduate Technical Intern

Jan 2023 - June 2023 - (6 months)

- Developed REST API backend systems using a cloud-native, serverless architecture on AWS. Leveraged AWS Lambda for compute and DynamoDB for scalable, low-latency data storage.

Educational

B.E (EEE) - Thiagarajar College of engineering - Apr'23 - CGPA - 8.99

HSC (Computer Science Stream)-SPIC School - Mar'19 - Score - 554/600

SSLC (Tamilnadu State Board)- SPIC School - Mar'17 - Score - 488/500

Projects

URL Shortener - Aug'24 (Ongoing) - Hobby Project

- Implemented a *rate limiter microservice* using **gRPC** in **Go**.
- Developed the *core REST API* using the **Python FastAPI framework**.
- Built an essential *frontend* with HTML, CSS, JavaScript, and Bootstrap 5
- Utilized **Redis** for caching.
- Used **MongoDB** for the persisting user data and **Cassandra** for the persistence of usage analytics.
- Configured **Nginx** as a reverse proxy.
- Deployed the application using **Docker** and **Kubernetes**.

Bus Ticketing and Tracking System - Apr'23 - Final Year Project

Chat Application using Sockets - Feb'22 - Hobby Project

AWS Certifications and Badges

- AWS Certified Solutions Architect Associate - Certification - Dec'23*
- AWS Knowledge Cloud Essentials - Badge - Nov'23*

Courses

- Udemy - Fundamentals of Backend Engineering - Jan'24*
- Udemy - Fundamentals of Database Engineering - Jan'24*
- Udemy - Docker and Kubernetes - 2024 Practical Guide - Feb'24*
- Udemy -The Complete Django Web Development Course - Feb'24*
- Udemy - Master Redis - Beginner to Advanced, - May'24*
- Udemy - Apache Cassandra : Everything You Need To Know - May'24*
- Udemy - Fast API Complete Course - July'24*

Skills

Technical Skills

- Git & GitHub
- REST API Design and Development
- AWS
- Docker
- Kubernetes
- Postman

Knowledge Base

- High Level System Design
- Data Structures and Algorithms
- OAuth 2.0
- Asynchronous programming
- GRPC
- OOPS
- Authentication and Authorization

Areas of Interest

- Database Internals
- Distributed Systems

Frameworks

- Flask
- Django Rest Framework
- Fast API
- Go - Gin Framework

Tools and Technologies

- Mongo DB
- PostgreSQL
- Redis
- Cassandra

Programming Languages

- Python - Intermediate
- Go - Beginner
- SQL
- Essentials of HTML, CSS, JS

Credly Badges Earned

- O'reilly-Concurrency in Go Aug'24
- O'reilly - RESTful APIs with Go - July'24

Languages

- English - Professional Proficiency
- Tamil - Professional Proficiency