Amal Madhu

Location: Kochi, Kerala, India

amalmadhu.me | LinkedIn | GitHub | Leetcode

Email: amalmadhu06@gmail.com | Mobile: +91 7902638843

Go Developer

Motivated and experienced Golang developer with 1 year of work experience. Possesses a deep understanding of Go, REST API, SQL and NoSQL databases, gRPC, Docker, CICD, AWS, Google Cloud Platform and more. Strong technical background in software development and passionate about building scalable and robust applications

Skills

Technical Skills

- Go Programming Language (Gin and Echo frameworks)
- Databases: PostgreSQL, MongoDB, Redis
- Cloud Platforms: AWS, Google Cloud
- Containerization: Docker
- API Design and Architectures: RESTful API, gRPC, Microservices

Soft Skills

- Strong problem-solving abilities, employing analytical thinking and innovative approaches to identify and resolve challenges efficiently.
- Critical thinking skills, enabling strategic decision-making and the ability to evaluate different perspectives to arrive at optimal solutions.

Experience

Junior Developer   Sep 2021 – Sep 2022
Tata Consultancy Services Limited   *Bangalore, Karnataka, India*

- Developed robust and scalable backends using the Go programming language
- Collaborated with cross-functional teams to optimize performance and enhance the functionality of the applications
- Troubleshot and resolved bugs and issues in the Go backend, ensuring uninterrupted operation of the applications

Education

Cochin University of Science And Technology   Kochi, Kerala, India
B.Voc in Business Process and Data Analytics   *Jun 2018 – May 2021*

Projects

E-commerce Backend REST API   *Go, REST, PostgreSQL, AWS, Git*   Source Code

- Developed an E-commerce RESTful backend API using Go lang and leveraged the Gin library for efficient routing and request handling.
- Utilized PostgreSQL as the database for seamless data storage and retrieval.
- Implemented Swagger for comprehensive API documentation and testing, ensuring robustness and ease of integration.
- Hosted the application on AWS EC2 with nginx, ensuring reliable and scalable deployment. Additionally, Dockerized the application for improved portability and ease of deployment.

gRPC Microservices Project   *Go, gRPC, Gin, Docker, Google Cloud*   Source Code

- Developed a scalable microservice project utilizing HTTP for client and API gateway communication, and gRPC for inter-service communication.
- Implemented four services: API gateway, authentication, order, and product, each serving specific functionalities.
- Leveraged PostgreSQL for efficient data storage, Dockerized the project for easy deployment, and hosted it on Google Cloud for scalability and high availability.