

Vignesh S

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Summary

Backend developer with **2 years of experience** in building scalable and secure fintech applications. Proficient in **Go, PostgreSQL, MongoDB, AWS, and message-driven architectures**. Skilled in **CI/CD, TDD, Docker, IaC**, and implementing **RBAC and approval workflows**. Passionate about optimizing performance, delivering high-quality code, and creating efficient, maintainable systems.

Technologies

Languages: Go, Java, SQL, NoSQL, HTML5, CSS, JavaScript, Svelte

Frameworks & Libraries: Gin, React, TailwindCSS, ORM

Tools & Technologies: Git, GitLab, GitHub, Docker, Postman, RabbitMQ, Redis, AWS, Terraform

Databases: PostgreSQL, Aurora(SQL)

Architectural Concepts: Monolith, Message-Driven, Event-Driven, Microservices, Clean Architecture, CQRS

Code Editors: Visual Studio Code

Experience

Back-end Developer, Flipopay Technology – Chennai

Feb 2024 – Present

During this period, I had the opportunity to work as a back-end developer with expertise in **Go**.

- Designed and developed REST API's and back-end services using **Go**, ensuring modularity and scalability for financial (**Payment Gateway**) application.
- Implemented **multi-level approval workflows** and **RBAC functionality**, enabling secure and controlled access to payroll operations.
- Developed and maintained **caching services** to optimize system performance and reduce latency.
- Worked with **PostgreSQL** using **SQLC** and **GORM**, and integrated with **MongoDB** for handling structured and semi-structured data.
- Leveraged **AWS services** such as **KMS, S3, EC2, EBS, Cognito, and SES** to secure, store, and manage application resources and user authentication.
- Utilized **Docker** for development containerization, streamlining deployment across development and production environments.
- Implemented **CI/CD pipelines with GitHub Actions**, automatically triggering builds and deployments on every code push to GitHub.
- Applied **Test-Driven Development (TDD)** to deliver robust and maintainable back-end services.
- Utilized **Infrastructure as Code (IaC)** to streamline and automate cloud provisioning, configuration, and deployment improving consistency and efficiency.
- Ensured **data security and compliance** by implementing **AES-256 encryption** for sensitive financial data.
- Conducted **payment gateway testing** using **Postman** to validate transaction flows and system reliability.
- Legacy logic refactored to incorporate efficient data querying, asynchronous programming, and parallel task execution, reducing computation time by **50%** and improving system responsiveness.

Certifications

- Course completed via Udemy: Docker & Kubernetes **Programming for Everybody (Getting Started with Docker)** and **Basic Kubernetes**

Educational Qualification

B.E. Computer Science and Engineering, S. A. Engineering College – Chennai

2019 – 2023

- CGPA: 8.12%