Saivamshi Kottam

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SUMMARY

Aspiring Software Developer specializing in Go (Golang) and backend systems, with a B.Tech in Computer Science. Proficient in Docker, Kubernetes, CI/CD, and AWS, with hands-on experience building scalable applications, optimizing system performance, and contributing to AI-based testing tools. Eager to apply a strong foundation in computer science and practical project experience to develop innovative software solutions.

SKILLS

- **Languages:** Go (Golang), SQL
- **Backend & DevOps:** RESTful APIs, Microservices, Docker, Kubernetes, CI/CD Pipelines, Linux, AWS
- **Databases:** Relational Databases
- **Tools & Methodologies:** Git, Automated Testing

PROJECTS

Go Pong Game   **[GitHub]**

- Developed an advanced Pong game demonstrating proficiency in Go and game development principles.
- Engineered dynamic gameplay mechanics, including unique ball movement patterns and adaptive difficulty scaling using Go.
- Integrated persistent high-score tracking to enhance user engagement and replayability.
- Refactored codebase into modular components for improved maintainability, scalability, and testability.
- Leveraged Go's concurrency features (goroutines, channels) to optimize game performance, ensuring smooth and responsive gameplay.
- **Technologies:** Go (Golang)

Golang Payment Gateway Backend   **[GitHub]**

- Designed and developed a robust and scalable backend solution for e-commerce payment processing using Go.
- Built a RESTful API in Go to manage backend operations including data retrieval, order processing, and secure transaction management.
- Integrated Stripe's API for secure payment processing, ensuring compliance with industry best practices and safeguarding user financial data.
- Implemented comprehensive error handling and logging mechanisms for enhanced system stability.
- Conducted rigorous testing and debugging of backend services, ensuring high reliability, minimal downtime, and error-free operation.
- **Technologies:** Go (Golang), RESTful APIs, Stripe API

EDUCATION

Bharath University, Chennai   **Aug 2022 – may 2025**

B.Tech in Computer Science and Engineering

CGPA: 7.96/10

Relevant Coursework: Object-Oriented Programming, Databases, Data Structures & Algorithms, Operating Systems, Computer Networks, Machine Learning, Blockchain Technology.

CERTIFICATIONS

- Docker Training Course (October 2023)
- Introduction to Databases (April 2023)