Rakesh Reddy Peddamallu

(+91)-6303665574
rakeshreddypeddamallu05@gmail.com

Backened Developer

LinkedIn
Portfolio

Summary : Backend engineer with 2+ years of experience in designing and implementing highly scalable, distributed backend systems. Strong proficiency in Golang and Python, with expertise in microservices architecture, API development, cloud-native solutions, and DevOps integration. Passionate about performance optimization, high-availability systems, and infrastructure automation. Skilled in database management, caching strategies, and event-driven architectures.

EDUCATION

BE, Electronics And Communication Engineering - RV College of Engineering, GPA: 8.08/10.00   **May 2018 — April 2022**
Intermediate , Sri Chaitanya College of Education - Vijayawada, Grade: 96 percent   **Apr 2016 — Apr 2018**

EXPERIENCE

Software Engineer 2 (Fulltime)   **Aug 2022 — Present**
Juniper Networks   Bangalore

- Designed and implemented scalable microservices in Golang, improving system performance and reliability by 30 percent.
- Developed a High-Performance File Storage Service: Engineered a robust file storage service using Go, leveraging gRPC for efficient, scalable communication. Designed and implemented features to handle file uploads, retrievals, and deletions, ensuring high throughput and reliability.
- Architected and executed a scalable file storage architecture, employing gRPC for seamless data transmission and PVC for effective resource management. Conducted performance tuning and error handling improvements, leading to a significant increase in system stability and efficiency.
- Led the SSO (Single Sign-On) integration with OAuth2.0, improving authentication security across microservices
- Worked on SRE Ops Console backend APIs, streamlining cloud infrastructure automation and incident response workflows
- Optimized database queries and indexing strategies for PostgreSQL, achieving a 40percent reduction in query response times.

Software Engineer 1 (Fulltime)   **Aug 2022 — Dec 2023**
Juniper Networks   Bangalore

- Designed and maintained highly available backend services using Golang, focusing on fault tolerance and disaster recovery.
- Implemented API integrations with cloud monitoring tools (Prometheus, Grafana) for enhanced observability.
- Built stateful microservices using Kafka and Redis, ensuring efficient data consistency across services.
- Improved authentication security by implementing an SSO feature in the backend, reducing unauthorized access incidents
- Optimized gRPC communication patterns, reducing network payload by 25percent.

Software Engineer (Intern)   **Mar 2022 — Aug 2022**
Juniper Networks   Bangalore

- Contributed to backend feature development, fixing API bugs and database performance issues.
- Gained hands-on experience in RESTful API design, Golang microservices, and cloud deployments.
- Assisted in writing unit and integration tests, improving backend service reliability.

TECHNICAL SKILLS

Programming languages	Go , Python, C, C++, java ,Javascript, Typescript
Backend Frameworks	Golang (Gin, Echo), Django, Node.js (Express)
Databases	PostgreSQL, MongoDB, SQL, NoSQL
Cloud and DevOps	Kubernetes, Docker, Helm, Envoy, Prometheus, Grafana, AWS
Scalability and Performance	API design, gRPC, REST, Load Balancing, Circuit Breaking
Messaging and Caching	Kafka, Redis
Infrastructure and Tools	Git, CI/CD (Jenkins, GitHub Actions), Linux, Postman, Terraform

CERIFICATES

Complete Web Development Udemy Course	View Certificate
Python Basic Edition Programmer | Hackerrank |	View Certificate
NPTEL Certification in Python	View Certificate

AWARDS

2022   Juniverse Award for the ownership and contribution of SRE UI - View Award