

MAYUR BHOSALE

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PROFILE SUMMARY

Results-driven Software Developer with 3+ years of experience in building high-performance, scalable, and fault-tolerant distributed systems. Proficient in Golang with a strong foundation in microservices architecture, event-driven systems, and cloud-native technologies. Delivered major optimizations including 2x performance gains through internal refactoring and ~1.5x increase in throughput by redesigning inter-service architecture. Experienced in designing and deploying containerized applications using Docker and Kubernetes, along with monitoring and observability. Passionate about clean code, performance tuning, and shipping scalable software in fast-paced environments.

PROFESSIONAL EXPERIENCE

Member Technical Staff - II, Software

Mavenir Systems Pvt. Ltd. Bengaluru

May-2022 – Present

Roles and Responsibilities

- Designed and developed a microservice from scratch using gRPC and HTTP/2 to enable a geo-redundant solution, ensuring data resiliency and high availability across multiple regions.
- Developed and maintained secure, high-performance RESTful API, collaborating with frontend and product teams for end-to-end feature delivery.
- Implemented concurrent processing using goroutines and channels, improving responsiveness and system throughput.
- Built efficient backend services with Go in a microservices architecture, deployed via Docker and Kubernetes on cloud platform for cloud-native operations.
- Integrated Kafka for event-driven communication between services, enabling scalable and decoupled workflows.
- Conducted unit testing, code reviews, and CI/CD integration using Jenkins and Git workflows to ensure high-quality, reliable code delivery.
- Investigated and resolved bugs and performance issues to improve system efficiency.
- Integrated HashiCorp Vault to manage secrets securely within Kubernetes, enforcing fine-grained access control and policy-based management.
- Acquired hands-on experience with PromQL by creating and validating alert rules based on key performance indicators in Prometheus.
- Created effective Grafana dashboards to visualize CPU, RAM, and application-level KPIs, through collaboration with cross-functional teams.
- Refactored key components of one of the microservice to improve processing efficiency, resulting in a 2x performance boost.
- Redesigned microservice communication architecture, increasing system throughput 140% while reducing CPU footprint by ~10%.
- Practiced agile development methodologies (Scrum) and participated in stakeholder demos, sprint planning, and retrospectives.

SKILLS

- Languages & Frameworks:** Go (Golang), Java, REST APIs, gRPC, HTTP/2, Testify, Python
- Cloud & DevOps:** Docker, Kubernetes, AWS, Helm, HashiCorp Vault
- Monitoring & Logging:** Prometheus, Grafana, ELK Stack
- Databases:** NoSQL (Couchbase, OpenSearch, MongoDB), MySQL
- Message Queues:** Kafka
- CI/CD & Version Control:** Git, GitHub, Jenkins
- Other Tools:** Linux, Agile/Scrum, System Design, JWT, Bash, Postman, SonarQube

EDUCATION

- PG Diploma in Advanced Computing** | SunBeam Institute of Information Technology, Pune | 2021-2022
- Master of Engineering in Design Engineering** | Savitribai Phule Pune University | 2014-2016
- Bachelor of Engineering in Mechanical Engineering** | Savitribai Phule Pune University | 2011-2014

PROJECTS

Airline Ticket Booking System

Tech Stack: Spring Boot, React, MySQL

- Collaborated in a cross-functional team to deliver a multi-tier web application for booking airline tickets using J2EE for backend, ReactJS for frontend, and MySQL for data persistence.
- Focused on building a responsive front end and integrating REST APIs for smooth client-server communication.
- Helped improve booking efficiency and user satisfaction through real-time updates and error handling.

AWARDS & RECOGNITIONS

- Spotlight Award for Agility by Product Director
- Spotlight Award for Customer Focus by Program Manager
- Spotlight Award for Leadership and Accountability by Program Manager