RAM MANKAR

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SUMMARY

Results-driven Software Engineer with 3+ years of experience building scalable backend systems and distributed solutions. Proficient in Golang, Python, and cloud technologies, with a proven track record of optimizing performance in complex environments.

EDUCATION

Masters of Computer Science, University of Texas at Arlington — Expected Apr 2025
Bachelor of Computer Engineering, University of Pune — Jun 2016 - Jun 2020

SKILLS

Backend:	Go, Python, JAVA, Kafka, Docker, Kubernetes, AWS, SQL, Postgres, NoSQL, Cassandra
Cloud & DevOps:	Git, Bash, Jenkins, ELK, Prometheus, Grafana, PagerDuty, CI/CD, Linux
Frontend:	JavaScript, Typescript, ReactJS, HTML, CSS, Bootstrap
Misc:	Design Patterns, OOP, Data Structures, Concurrency Patterns, Unit Testing, Debugging

EXPERIENCE

Software Engineer, Tazapay — Jun 2022 - Aug 2023

- Developed REST APIs for **10+ payment methods**, expanding global payment options.
- Scaled payment services to 173 countries by developing **multicurrency digital wallets** using Golang and AWS.
- Built resilient systems using Kafka-driven event architecture, improving fault tolerance and reliability.
- Improved feature management by designing a **subscription service**, increasing revenue tracking by 15%.
- Automated customer support workflows using Golang and AWS, reducing issue resolution time by **60%**.
- Ensured software reliability by writing unit tests using the Mockgen framework, increasing test coverage.
- Handled on-call rotations and production incidents, ensuring platform stability.
- Ensured compliance with industry security standards and best practices.

Software Engineer, ConnectWise — Jul 2020 - May 2022

- Developed a File Transfer Service for 1M+ devices, improving diagnostics and monitoring.
- Reduced Kafka consumer lag by **10%** through optimized topic partitioning and load balancing.
- Developed a concurrent data retrieval system, reducing latency and improving real-time updates by 15%.
- Led the deprecation of legacy applications from **1M+ devices**, boosting operational efficiency by **30%**.
- Maintained CI/CD pipelines using Bitbucket for continuous deployment and delivery with minimal downtime.
- Collaborated on code reviews and functional specification reviews, enhancing code quality and team efficiency.
- Documented architecture specifications to streamline development and enhance cross-team collaboration.

PROJECTS

Real-time Object Detection System: Developed a YOLOv8-based object detection system for playing cards, enhancing accuracy across diverse conditions using data augmentation and hyperparameter tuning. Improved detection efficiency in real-world scenarios. (Python, YOLOv8, OpenCV, TensorFlow, Keras) (View Code)

Atomic Commit Protocol: Implemented a two-phase commit protocol with gRPC in Golang to ensure distributed transaction coordination and fault tolerance, preventing partial updates and maintaining data consistency. (Golang, gRPC, Distributed Systems, Microservices). (View Code)

Fitness Tracker: Built a full-stack fitness tracking app with Google Fit, enabling workout session management, progress tracking, and AI-driven performance recommendations. (ReactJS, Next.js, MySQL, AWS, Google Fit API, Figma, Bootstrap)

CERTIFICATIONS

- **AWS Certified Developer Associate** (Visit)