

MAHENDRA

Senior Software Engineer — Backend & Distributed Systems

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PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years building and operating high-scale backend platforms, distributed workflows, and financial data systems for consumer-scale products (Gojek Driver Platform). Deep expertise in Go and Python microservices, API design, database performance tuning, and production reliability engineering. Track record of owning problems end-to-end — from RFC and architecture through implementation, rollout, and observability, tracking issues through to resolution. Seeking to bring this ownership mindset and systems rigor to a high-performing engineering team.

CORE SKILLS

Languages & Backend: Go (Golang), Python, REST APIs, gRPC, Microservices, Distributed Systems, Async/Event-Driven Processing

Data & Messaging: PostgreSQL, MongoDB, Redis, RabbitMQ, Kafka (DLQ/Retry Patterns), BigQuery, MaxCompute

Cloud & Reliability: AWS, GCP, Tencent Cloud, Docker, Kubernetes, CI/CD, Prometheus, Grafana, New Relic, PagerDuty, Hystrix

Engineering Practice: System Design, RFC Authoring, Data Structures & Algorithms, Code Review, Git, Postman, Swagger, Metabase, ToolJet

PROFESSIONAL EXPERIENCE

Senior Product Engineer

Feb 2025 – Present

Shuru Technologies (Contracted to Gojek — Driver Platform) — Gurugram, India

- **Database & Query Performance:** Diagnosed and optimized high-volume financial transaction workloads using EXPLAIN ANALYZE, targeted index tuning, partition-aware queries, and controlled concurrency — cutting database CPU pressure by ~35% and stabilizing mission-critical monthly summary and contribution jobs.
- **Regulatory Compliance & Reporting:** Owned government-mandated compliance workflows, including driver contribution rate updates, reporting corrections, and financial backfills; stabilized Singapore IRAS reporting across annual, monthly, weekly, and daily statement pipelines.
- **CPF Contribution Systems:** Re-architected Singapore CPF contribution workflows spanning deduction, monthly summary generation, post-verification refunds, and Gojek contribution flows; improved downstream service synchronization and drove recurring CPF-related technical debt to near zero.
- **Reliability & Observability:** Implemented Hystrix circuit breakers for service resilience and built a monitoring stack on Prometheus, Grafana, Lens, and New Relic for real-time diagnostics and proactive alerting — improving debugging efficiency and cutting log noise by ~80%.
- **Driver App Platform:** Led backend delivery for Multi-Merchant delivery support, On-Time Logistics, subscription/fleet flows, and income transparency features; owned execution end-to-end from schema design and API development through production rollout.

Software Developer

Mar 2022 – Feb 2025

Epek Software Solutions — Remote, India

- **Financial Platform Engineering:** Designed and deployed a Go-based accounting platform for automated invoicing and commission calculation, reducing data processing time by 30% while achieving 100% reconciliation accuracy.
- **Systems Automation:** Built an FTP synchronization service that automated 40% of recurring manual operations, significantly improving data freshness for external partner integrations.
- **Technical Mentorship:** Mentored engineering interns through structured code reviews and technical design sessions, raising overall code quality and team engineering standards.

Software Engineer

Feb 2021 – Feb 2022

Parcelini — Remote, India

- **API Development:** Built Go-based REST APIs and internal task management tooling, improving project tracking transparency and completion visibility by 25%.
- **Data Engineering:** Developed Python/Flask automation scripts for large-scale CSV data cleansing and address normalization, streamlining internal data-management workflows.

Research Intern

Nov 2016 – Jan 2017

Indian Institute of Science (IISc), Bangalore — Bengaluru, India

- **Image Processing Research:** Implemented DT-CWT based pan-sharpening for satellite imagery in Java, enhancing image resolution while minimizing color distortion.

EDUCATION

B.Tech in Computer Science and Engineering

2014 – 2018

National Institute of Technology (NIT), Srinagar — Srinagar, India | CGPA: 7.59