

MANENDRA PAL SINGH

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Summary

Full-stack engineer with experience in building fast, scalable systems at startups and growth-stage companies. Comfortable owning features end-to-end — from database design to REST APIs to responsive UIs. Pragmatic, product-minded, and quick to ship in high-velocity environments.

Skills

- **Languages & Frameworks:** Go (Primary), JavaScript, TypeScript, Java.
- **Frontend:** React.js, Redux, Material UI, Tailwind CSS, HTML5, CSS3.
- **Backend & System Design:** REST APIs, Microservices, Event-Driven Systems, Kafka, RabbitMQ, Redis.
- **Database:** PostgreSQL, PostGIS, MongoDB, SQL.
- **Infrastructure & DevOps:** Docker, Kubernetes, Helm, CI/CD, AWS, GCP.
- **Monitoring, Observability & Reliability:** Prometheus, Grafana, Distributed Tracing, Logging, Alerting, Production Debugging.
- **Tools & Platforms:** Git, GitHub, Bitbucket, SonarQube, Postman, Swagger.
- **Testing & Quality:** Go Testing, Jest, Unit & Integration Testing, A/B testing.
- **Other Skills:** Agile, SDLC, Performance Optimization, Scalable Backend Systems, SaaS Development

Experience

Software Engineer – Consultant (Deployed at NPCI)

CoffeeBeans Consulting LLP-Hyderabad | Sept 2025 - Current

- Contributing to the development of an open, decentralized EV charging network built on the Beckn Protocol, enabling interoperability across charge point operators, service providers, and ecosystem participants at a national scale.
- Developed adapter services to enable existing ecosystem players to onboard seamlessly by integrating their legacy or proprietary backends with the Beckn-compliant network.
- Leveraged PostgreSQL with PostGIS for geospatial queries such as charger discovery, proximity-based matching, and location indexing.
- Built event-driven workflows using Kafka and RabbitMQ to handle asynchronous state transitions, session updates, and cross-system communication reliably at scale.
- Built Web3-compatible network observability and distributed tracing mechanisms to track cross-participant request flows, message hops, and transaction states across decentralized systems.
- Implemented end-to-end monitoring, logging, and tracing to improve network visibility, debugging, and reliability across multiple independent network participants.
- Collaborated closely with the Beckn core team and multiple Network Participants to clarify specifications, resolve integration gaps, and ensure compliant implementations across the network.
- Worked with QA, DevOps, Product Managers, and external partners to support certification, staging validation, and smooth production rollout of the network.

Software Engineer – Consultant (Deployed at Gojek)

CoffeeBeans Consulting LLP-Bengaluru | Dec 2024 - Sept 2025

- Deployed as a backend consultant to Gojek's Transport Team(Postbooking and Prebooking), contributing to core services supporting high-volume ride bookings with strict latency and availability requirements.
- Spearheaded the migration of key backend services from virtual machines to Kubernetes, improving deployment scalability,

fault tolerance, and operational efficiency while reducing infrastructure costs.

- Assisted in the backend improvement of the **One-Tap Ride Booking** experience, enabling seamless user journeys with high availability, low latency, and fast response times with return and resume context.
- Contributed to backend integration for **Mini App** payment flows, ensuring secure, consistent communication between internal transport services and payment gateways.
- Collaborated closely with Gojek's internal teams across product, frontend, DevOps, and QA to ensure high-quality, production-ready deliveries within aggressive timelines.

Software Developer

Sigma Infosolutions Ltd – Jodhpur | Aug 2022 – Dec 2024

- Played a key role in designing, developing, and scaling a cloud-based **FinTech Loan Origination System (LOS)** used by borrowers, branch operators, and back-office teams. Operated in a fast-paced environment, contributing to all stages of product development.
- Backend development of LOS in Go (Golang) using a modular microservices architecture. Designed services for borrower onboarding, credit evaluation, document processing, and application status workflows.
- Architected API contracts used across multiple platforms — including web portals for branches, borrowers, and internal ops teams — ensuring versioning, reusability, and backwards compatibility.
- Integrated third-party services, including Salesforce, identity verification APIs, credit bureaus, and external payment gateways. Ensured secure data flow and strict adherence to compliance guidelines.
- Built a dynamic workflow engine to allow branches to configure loan processing logic (auto/manual steps, conditional approvals), significantly improving customizability across banks.
- Developed an internal Admin Dashboard and Configuration UI in React.js to manage user roles, field-level validation rules, business logic flows, and access controls.
- Designed and implemented role-based access control (RBAC) for various platform stakeholders, including branch staff, loan officers, credit approvers, and admins.
- Spearheaded the development of an internal frontend component library using React.js and Material UI, integrated across multiple projects using Git submodules. Standardised design, accelerated dev time, and improved UX consistency.
- Managed CI/CD pipelines, Dockerized services, and deployed to staging and production environments using Kubernetes. Collaborated with DevOps for rollout strategies and infrastructure scaling.
- Acted as technical liaison between engineering and business teams — gathering requirements, preparing tech specs, estimating efforts, and ensuring timely delivery.

Education

M.B.M. Engineering College | Jodhpur | 07/2022

Bachelor of Engineering: Electronic And Electrical Engineering

Grade: 8.2 CGPA

Sanskars Public School | Jaipur | 06/2018

12: Physics, Mathematics

Grade: 88%