Bipin Kumar Ojha

Senior Backend Engineer | Cloud-Native Microservices (Golang / Distributed Systems)

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Professional Summary

Senior Backend Engineer with 15+ years of experience building cloud-native microservices and distributed systems. Expert in Golang with strong foundations in data structures, algorithms, and object-oriented design. Proven success designing scalable, high-performance SaaS backends deployed on AWS/GCP using Kubernetes, Docker, and CI/CD pipelines. Experienced in concurrency, gRPC, and resilient architectures with MongoDB, Redis, and PostgreSQL. Adept at troubleshooting production systems, mentoring teams, and delivering modular, secure solutions that scale globally.

Core Skills

- Programming & Fundamentals: Golang (Expert), Java, C/C++, Python, JavaScript; strong knowledge of data structures, algorithms, and object-oriented design
- Distributed Systems: Microservices, REST/gRPC APIs, concurrency (goroutines, channels), message queues (RabbitMQ, Kafka)
- Databases: MongoDB (schema design, performance tuning, replication), PostgreSQL, Redis, MySQL
- Cloud & DevOps: Kubernetes, Docker, AWS (EC2, Route 53, Amplify), GCP (OCR, STT), CI/CD (GitLab, SonarQube)
- Networking & Security: Telecom signaling protocols, authentication (Keycloak), secure APIs, VPN/IPSec
- Collaboration & Leadership: Team mentorship, architectural decision-making, cross-functional collaboration, agile delivery

Professional Experience

Senior Software Engineer | Quantique Minds Pvt Ltd (Sep 2025 - Present)

- Designed and delivered Golang microservices for SaaS platforms in workspace & restaurant management.
- Built RESTful APIs with MongoDB + Redis for persistence and caching.
- Deployed containerized services on AWS with CI/CD pipelines, ensuring scalability and resilience.
- Collaborated cross-functionally to rapidly ship features in a startup environment.

Senior Software Engineer | Kenshi Labs Pvt Ltd (Jul 2024 - Aug 2025)

- Developed SmartSME Accounting & Inventory backend in Golang, deployed as microservices.
- Optimized data workflows with MongoDB + Redis, ensuring high performance at scale.
- Containerized services with Docker and supported cloud deployment.
- Took ownership of features from design to production, ensuring reliability and maintainability.

Senior Software Engineer / Team Lead | Monty Mobile (Apr 2015 - Apr 2024)

- Led backend development for Go-STP distributed telecom system, improving throughput and robustness.
- Built Multi-IMSI product in Golang/C++ for global roaming, handling complex distributed protocols.
- Designed secure backend modules with PostgreSQL and Keycloak for authentication.
- Mentored engineers and contributed to architectural decisions for scalable systems.

SS7 Software Engineer / Module Lead | XIUS (Megasoft Ltd.) (Mar 2006 - Apr 2015)

- Stabilized and scaled SMS Gateway backend, ensuring high-volume message delivery.
- Led a 5-member team to build distributed backend services for roaming and AAA servers.
- Applied deep protocol-level expertise to design resilient systems.

Software Engineer | Sai Info System (India) Pvt. Ltd. (Apr 2003 - Mar 2006)

- Built backend modules in Java/PHP for client projects.
- Provided full-stack support including UI development and deployment.

Key Projects
- ClayWorks (Quantique Minds): Golang, MongoDB, Redis, AWS - Scaled workspace management SaaS backend.
- SmartSME (Kenshi Labs): Golang, Docker, AWS - Built accounting/inventory SaaS backend from scratch.
- Go-STP (Monty Mobile): Golang, PostgreSQL - Optimized distributed telecom signaling system.
- China-USSD (9Mobile Nigeria): Golang, RabbitMQ, MongoDB - Integrated USSD services with reliable queuing.

Education
- Master of Computer Applications (MCA)
- Bachelor's Degree | Utkal University, Orissa

- Diploma in Civil Engineering | SCTE&T, Orissa

Certifications

- Yuva AI for All - Nasscom Futureskills Prime (2026)
- Cloud-Native & Emerging Technologies (Participation Certificate)
- Introduction to Modern AI - CISCO Networking Academy (Credly, 2026)