

Passionate backend developer with 2.5+ years of experience in **Node.js** and **MongoDB**. Quick learner, adaptable to new technologies, and experienced in building scalable backend systems.

Technical Skills

- **Languages:** JavaScript (JS), TypeScript (TS)
- **JS Frameworks/Libraries:** Node.js, Express.js
- **Database:** MongoDB, Redis
- **API Development:** REST APIs, Govt API Integration (ABHA API), Microservices
- **Security:** JWT, API Encryption, CORS
- **Version Control:** Git (GitHub, GitLab)
- **Cloud:** AWS (S3, SES, SNS, Secrets Manager), GCP (Cloud Storage, Secret manager)
- **Others:** Socket.io, Elastic Search, Linux CLI (Ubuntu)

Work Experience

Backend Developer | Chippy Information Technology | July 2022 – Present

Hospital Management System (HIMS) | Node.js, MongoDB

- Developed a scalable HIMS covering patient records, billing, appointments, labs, pharmacy, and inventory.
- Integrated ABHA (Ayushman Bharat Health Account) APIs for seamless patient interoperability.
- Transformed the system into a SaaS-based solution, enabling multi-hospital support.

Shri Dharmasthala Online and Offline Room Booking Software | Node.js, Elasticsearch, MongoDB

- Researched and implemented scalable data backup solutions, ensuring historical records are securely stored in Elasticsearch.
- Developed an automated archival mechanism, systematically migrating older data to Elasticsearch before deletion to maintain database efficiency.
- Enhanced search and retrieval efficiency, leveraging Elasticsearch's indexing capabilities for rapid access to archived records.

NHCX - National Health Claim Exchange | Node.js, FHIR, MongoDB

- Implemented government APIs to facilitate cashless health insurance transactions.
- Utilized FHIR (Fast Healthcare Interoperability Resources) bundles to securely transmit health records from hospitals to Third-Party Administrators (TPA).
- Ensured seamless data exchange and interoperability between hospitals and insurance providers.

Academic Management System for Mahe Bengaluru | Node.js, Typescript, MongoDB

- Designed and built a university-level SLCM to facilitate multi-institution academic administration.
- Developed faculty-specific features: attendance tracking, student feedback, and academic insights.
- Optimized data retrieval and aggregation, reducing query time by 40%.

Room Booking Application | Node.js, Typescript, MongoDB

- Developed a real-time room booking system with an intuitive UI and availability tracking.
- Integrated Razor pay for secure payments, improving transaction efficiency.
- Implemented Razor pay callback mechanism to prevent failures in case the application is closed during transactions.
- Utilized MongoDB indexing to reduce lookup time, significantly improving query speed.