Alember Shreesh

Kathmandu, Nepal shreeshalember@gmail.com +977-9804406944 shreeshalember.com.np
alembershreesh gosucode

Profile

Full-Stack Software Engineer with 2+ years of experience designing, scaling, and deploying robust backend architectures, cross-platform mobile applications, and multi-tenant ERP platforms. Working with TypeScript, React Native (Expo/EAS), Node.js, and Next.js, I have spearheaded cloud deployments, automated CI/CD pipelines, and managed end-to-end production releases. By migrating workloads to Docker environments and optimizing backend infrastructure, I cut deployment times by 75% and improved critical API response times by up to 150ms while maintaining 99.9% uptime.

Skills

Languages: JavaScript, TypeScript
Frontend: React, Next.js, React Native (Expo)
Backend & Microservices: Node.js, Express.js, NestJS, KrakenD API Gateway, Drizzle ORM, RESTful APIs, BullMQ, CASL (RBAC), Redis
Databases: MongoDB, PostgreSQL, MySQL
Cloud & DevOps: Linux (Ubuntu/Debian), AWS (EC2, Nginx, SSL), Docker & Docker Compose, GitHub Actions, Expo/EAS, CI/CD, DigitalOcean, MinIO
Tools & Security: Git, Claude Code, Cursor & Antigravity (IDE), RS256 JWT, ClamAV

Experience

Software Engineer - Full Stack *Kathmandu, Nepal*
Golden Technosoft *Jun 2024 – Jul 2026*

- **Technical Leadership:** Spearheaded the end-to-end development of the BusineSSathi ERP platform, managing system architecture, multi-tenant data isolation for 100+ businesses, and long-term maintenance.
- **Cloud & DevOps:** Engineered the migration of containerized workloads from DigitalOcean to AWS; automated deployments using Docker and CI/CD pipelines, reducing deployment time from 20 minutes to under 5 minutes. Maintained stable release cycles and 99.9% platform uptime.
- **Backend Architecture:** Designed and implemented scalable RESTful APIs using Node.js, Express, and TypeScript, featuring robust Role-Based Access Control (RBAC) and secure authentication protocols to protect sensitive multi-tenant data.
- **Performance Optimization & Caching:** Integrated Redis caching for high-traffic endpoints and frequently accessed data, reducing database query load by 25–35% and improving API response times by 80–150ms for critical dashboards and operations.
- **Core ERP Development:** Developed integrated modules for inventory tracking, automated billing, and centralized record management, reducing manual data entry effort by 40% and minimizing operational errors in daily workflows.
- **System Integrations:** Automated operational workflows by integrating third-party messaging and email services for real-time notifications, enhancing business efficiency.
- **Full SDLC Ownership:** Led the complete software development lifecycle, iterating on features based on direct user feedback and evolving business requirements for the ERP.

Software Engineer - Backend *Kathmandu, Nepal*
Smart Solutions Technology *Jul 2026 – Present*

- **Microservices & API Architecture:** Owned backend design and delivery for an Order Management System spanning 10 NestJS microservices behind a KrakenD API gateway, managing 200+ REST routes across 55 controllers and configuring 250+ gateway endpoint definitions with rate limiting and circuit breakers.
- **Database & Schema Management:** Authored 160+ versioned Drizzle ORM migrations for per-service

PostgreSQL schemas with strict DTO validation, and optimized reporting workflows using read-only Postgres views behind restricted roles.

- **Identity, Access & Security:** Built a robust IAM service featuring RS256 JWT, CASL role-based authorization, OTP email verification with lockout mechanisms, and password-history rules; secured gateways with strict CSP headers and comprehensive unit/E2E test coverage (35 spec files).
- **Developer Tooling & Scaffolding:** Created a reusable NestJS + Drizzle service template to rapidly launch 7 new core services (customer, order, payment, license, notification, reporting, workflow).
- **DevOps & Infrastructure:** Engineered containerized environments using Docker Compose (dev hot-reload and prod read-only setups), automated full-stack bootstrap/migration scripts for a 15-repo stack, and integrated Redis & BullMQ for asynchronous background processing alongside MinIO and ClamAV.

Education

Butwal Kalika Campus, Tribhuvan University *2020 – 2025*
Bachelor of Computer Applications (BCA)

- Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Software Engineering, and Web Technology.
- Successfully completed a 4th-semester intensive project and a final-year thesis/project focusing on full-stack development and system architecture.