

KHAING MIN TUN

Senior Backend Engineer — Node.js, NestJS, AI Integrations & Automation

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SUMMARY

Senior Backend Engineer with 10+ years of experience designing and running production backend systems for large-scale, high-concurrency platforms (1000+ concurrent users). Specialized in Node.js (NestJS, Express), queue-based processing (RabbitMQ, BullMQ, Redis), AI integrations (LLM-based chat/inventory assistants), Telegram automation, and payment/blockchain integrations (TRC20). Comfortable owning a feature end-to-end — API design, database design, testing, and deployment — with strong written communication for async, remote-first teams.

CORE SKILLS

- Backend: Node.js, NestJS, Express.js, REST API design, WebSockets
- Data: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis (cache, session, pub/sub, queue)
- Messaging & Queues: RabbitMQ, BullMQ, SQS
- Cloud & Infra: AWS (Lambda, API Gateway, EC2, S3, Aurora), Serverless Framework, Docker
- AI & Automation: LLM-based chat/inventory assistants, Telegram Bot API (full feature set), workflow automation
- Payments: TRC20 crypto top-up & exchange integration, Myanmar payment gateways, SMS/Email provider integration
- Frontend (supporting): React, Vue, Next.js, Angular, Laravel
- Testing & CI: Unit testing, E2E testing, GitHub Actions
- Communication: Async-first (Slack, Notion, GitHub, written documentation); English B2 written/reading

SELECTED PRODUCTION EXPERIENCE

Senior Backend Engineer — Enterprise All-in-One Business Platform

Long-term

- Owned backend for a large multi-module production system (7 integrated systems: e-commerce, document management, online shop, and more) serving 1000+ concurrent users.
- Designed REST APIs, database schemas, and background job processing using NestJS, Redis, RabbitMQ/BullMQ, and Aurora/PostgreSQL.
- Improved API response times and stability under high concurrency; wrote unit and E2E tests as part of CI.

Backend Engineer — High-Throughput Real-Time Transaction Platforms

Multiple production deployments

- Built and maintained backend systems for 20+ real-time, high-concurrency transaction platforms with strict uptime and data-integrity requirements.
- Implemented queue-based processing and caching to keep the system stable under concurrent load.

Backend Engineer — Blend — iOS Application (Japan)

Contract

- Delivered backend services supporting a consumer iOS application (Swift front end) used by many thousands of users.

Backend Engineer — Third-Party Integration Provider

Ongoing

- Built and operate production integrations for SMS delivery, email delivery, and Myanmar payment gateways, used as infrastructure by other applications.

Backend & Automation Engineer — AI & Telegram Automation Projects

Ongoing

- Built an AI-powered inventory assistant that queries business data and returns natural-language responses (LLM + database integration).
- Built production Telegram bots covering nearly the full Telegram Bot API feature set for business automation.
- Implemented TRC20 crypto top-up and exchange automation workflows.

EDUCATION & BACKGROUND

10+ years of professional software engineering experience across full-stack and backend-focused roles, transitioning to a backend/systems specialization over the last several years.

AVAILABILITY

Open to remote contract, part-time, and fixed-price consulting engagements. Prefers async, written communication; available for short technical calls when needed.