

ASHRAFUL ISLAM

Software Engineer — Full Stack | Node.js · TypeScript · React
Dhaka, Bangladesh · +880 1913 130455 · smashraful.dev@gmail.com
github.com/smashraful · linkedin.com/in/smashraful · developerash.vercel.app

SUMMARY

Full stack engineer with 4 years in TypeScript and Node.js, including 3+ years owning backend systems end to end — currently six production platforms at Core Devs spanning real-time trading, AI automation, content generation, and e-commerce. Ships complex third-party integrations reliably: Binance, Bybit, Kraken, and Deribit trading APIs, OpenAI content pipelines, Telegram trading automation, and blockchain payments — all live with zero unplanned downtime. Architecture-first by habit: designed a microservices content-generation platform in a Turborepo monorepo, cut API response times by ~65% with Redis caching, and raised team output through code reviews and design mentorship. Seeking a senior full stack/backend role with ownership of system architecture.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), SQL, Python

Backend: Node.js, NestJS, Express.js, REST API design, WebSockets, microservice architecture, JWT authentication, webhooks, third-party API integrations

AI & Automation: OpenAI API, AI sentiment-analysis pipelines, Telegram Bot API, Workflow automation

Frontend: React.js, Next.js, Redux, Zustand, Figma-to-code UI development

Databases & Caching: PostgreSQL, MongoDB (Mongoose), DynamoDB, Redis — schema design, indexing, query optimization, aggregation pipelines

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Nginx, PM2, Linux, CI/CD with GitHub Actions

Testing & Practices: Jest, Postman API test suites, system design, code review, technical mentoring, Agile

PROFESSIONAL EXPERIENCE

Software Engineer — Core Devs Ltd., Dhaka, Bangladesh

Jul 2024 – Present

Own backend development across six production systems spanning real-time trading, AI automation, content platforms, and e-commerce.

Real-Time Trading SaaS — cefi.kvants.ai (live)

- Design and build REST and WebSocket services for trade execution, account management, and portfolio sync — 300 concurrent trading users and ~1,000 orders per day via Binance and Bybit integrations.
- Cut average API response times by roughly two-thirds by introducing Redis caching on high-traffic endpoints.
- Built secure trade lifecycle workflows — JWT authentication, transactional consistency, idempotent operations, and Winston structured logging — with zero unplanned downtime since deployment.

AI Stock-Market Prediction & Trading Automation (client organization)

- Built a backend pipeline that ingests trading-halt news and live market data, runs AI-powered sentiment analysis, and scores each trade against user-defined profitability conditions.
- Automated order placement for trades that pass profitability rules, removing manual execution from the client's trading workflow.

Content-Generation Microservices Platform

- Architected the microservice design for an automated content pipeline — keyword-driven Google search and source selection feeding OpenAI-powered content generation.
- Built quality-gate services for grammar checking, duplicate detection, and SEO scoring that run before automated publishing.

Telegram Signal Trading Engine

- Developed an engine that parses Telegram trade signals and places orders automatically across all connected accounts, with separate paper-trading and live-trading modes.

Blockchain-Integrated E-commerce — meanaraptor.vercel.app (live)

- Built backend services combining e-commerce with crypto payments, token purchase, and staking; integrated PayPal payment workflows and an automated raffle-draw system.
- Across projects: mentor teammates through code reviews and drive system design decisions in a ~10-engineer team.

Full Stack Web Developer — Mitali International, Dhaka, Bangladesh

Feb 2023 – Jun 2024

- Developed and maintained a retail e-commerce platform on the MERN stack serving ~1,000 active, regularly ordering customers.
- Improved page load and API response times and delivered new modules end to end, from requirements to production.

Earlier Experience — GoKundu.com: built React web applications from Figma designs with pixel-accurate, responsive UIs.

PERSONAL PROJECT

Sundarban Honey BD — E-commerce Platform (sundarbanhoneybd.com, live)

- Built the complete backend for a local retailer (Node.js, Express, TypeScript, MongoDB, Next.js) — catalog, cart, checkout, orders, and inventory — handling 1,000+ regular customer orders with optimized MongoDB aggregation pipelines.

EDUCATION & CERTIFICATION

B.Sc. in Computer Science and Engineering — North Western University, Khulna · CGPA 3.69/4.00

Feb 2022