Sheikh Aman

Senior Full-Stack Engineer

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SUMMARY

Senior Full-Stack Engineer with 5+ years building fintech and SaaS products in Node.js, NestJS, PostgreSQL, Next.js and React. Founding full-stack developer at Finanshels, owning the architecture of an in-house fintech CRM and the AI agents its internal teams use to find client data. Earlier work includes event-driven backends load tested to 10K+ transactions per second.

SKILLS

Backend: Node.js, NestJS, Express.js, TypeScript, RabbitMQ, AWS Lambda

Frontend: Next.js, React, Tailwind CSS

Data: PostgreSQL, MongoDB, Redis

AI: Claude API, LLM agents, WhatsApp Business messaging on WATI

Blockchain: Solidity, EVM smart contract auditing, ERC-4337, Avalanche Subnets

WORK EXPERIENCE

Full-Stack Developer, Finanshels.com — May 2025 to present | Remote

- Founding full-stack developer on the company's in-house fintech CRM, built with NestJS and Next.js.
- Took the architecture decisions for the platform, which runs the bookkeeping and accounting services the team delivers to clients.
- Built AI agents that let internal teams search and pull client data from one place instead of moving between several screens.

Senior Software Developer, Credain (Freelance) — March 2024 to April 2025

- Architected a blockchain banking platform on an Avalanche Subnet, reducing transaction processing time by 30%.
- Designed a RabbitMQ event-driven architecture and load tested the system to 10K+ transactions per second.
- Implemented ERC-4337 account abstraction on a private EVM chain with a custom bundler, modifying the EntryPoint, NonceManager and Paymaster contracts instead of relying on a third-party provider.

Blockchain Developer, Bowled.io (Freelance) — March 2024 to July 2024

- Built a custodial wallet system for game players, with 10,000+ wallets created.
- Added fiat on-ramp and off-ramp for token purchases, cutting purchase time by 25%.

Blockchain Developer and Auditor, Rapid Innovation — September 2021 to February 2024

- Audited EVM smart contracts.
- Built the multi-tier staking system for Kaldi Market, which raised user retention by 25%.
- Developed in-house products with NestJS and MongoDB.

Software Developer, J&F — November 2020 to October 2021 | Noida

- Built HRMS modules and a course-taking system used by 1,000+ users, including a test module with randomised questions.
- Worked with Node.js, PostgreSQL and AWS Lambda.

PROJECTS

WhatsApp AI sales agent, personal project

- Built an AI sales and negotiation agent on WhatsApp using WATI webhooks and the Claude API.
- Stored each customer's conversation history in Redis, and used the payload's owner flag to stop the agent replying to its own messages.
- Handled WhatsApp's 24-hour session window with a fallback to approved templates, and a Redis flag that silences the agent when a chat is handed to a person.

EDUCATION AND LANGUAGES

Bachelor of Technology, Maulana Abul Kalam Azad University of Technology — 2016 to 2020

Higher Secondary (CBSE) — 2014 to 2016

Languages: English, Hindi, Bengali