

Amar Jha

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SUMMARY

Full Stack Developer specializing in scalable backend systems, real-time communication, and cloud infrastructure. Experienced in MERN, AWS EC2, Linux, Socket.IO, and CI/CD pipelines. Strong in authentication (JWT, RBAC, 2FA), distributed system design, and production-grade deployment. Currently building Axeiro, a microservices-based VM orchestration platform.

SKILLS

Frontend: React.js, Next.js, JavaScript, Redux Toolkit, Tailwind CSS

Backend: Node.js, Express.js, Socket.IO, REST APIs, Kafka

Databases: MongoDB, MySQL

DevOps: AWS EC2, Linux, Nginx, GitHub Actions, PM2

Integrations: Stripe, Zoom, Agora, OpenAI

Security: JWT, Refresh Tokens, RBAC, 2FA

EXPERIENCE

- **Feb Tech IT Solutions Pvt. Ltd.** Feb 2025 – Present
Full Stack Developer (SDE I) *On-site*
 - Deployed production infrastructure on AWS EC2 (Ubuntu) with Linux hardening, Nginx reverse proxying, SSL, and domain routing.
 - Built real-time communication flows using Socket.IO with presence, typing indicators, and delivery receipts.
 - Implemented JWT auth, refresh tokens, and RBAC across user roles for secure access control.
 - Created CI/CD pipelines using GitHub Actions + PM2, reducing deployment errors by 40%.
 - Added structured logging and monitoring improving overall reliability.

PROJECTS

- **Axeiro – Cloud VM Orchestration Platform** - axeiro.com
 - Developing microservices platform for VM provisioning, deployment automation, DNS, SSL, and server monitoring.
 - Architected Auth, Billing, Orchestrator, Notification, and User Services using REST + Kafka.
 - Implemented OAuth, JWT, RBAC, 2FA, rate limiting, and service-level access isolation.
- **ParrotConsult – Real-time Consulting Platform** - parrotconsult.com
 - Built chat, video calling, scheduling, and real-time interactions using Socket.IO + Agora.
 - Deployed production infra on AWS EC2 with Nginx, SSL, and automated CI/CD.
- **Radical Unlearning – Learning Platform** - radical-unlearning.com
 - Built dashboards for Admin, Educator, and Learner flows with Stripe billing and JWT auth.
 - Integrated Zoom meetings and OpenAI workflows.

EDUCATION

- **Phonics Group of Institutions** Roorkee, India
B.Tech in Computer Science Engineering *June 2025*
- **Roorkee College of Engineering** Roorkee, India
Diploma in Mechanical Engineering *July 2020*

CERTIFICATIONS

- ForageAccenture UK – Developer and Technology Job Simulation
- GirlScript Summer of Code - Open Source Contributor