

Nikhil Verma

Full Stack Developer
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Summary

Full stack developer with 2 years at Flashaid, building payment and insurance products using TypeScript, React, Node.js, and PostgreSQL. Built and launched Trailgrad, an end-to-end interview preparation platform with guided practice, AI voice interviews, and a shared coding editor. AWS Certified Solutions Architect – Associate.

Work Experience

Software Developer

Aug 2024 – Jul 2026

Flashaid

Mumbai, India

- Developed backend APIs, React frontend, and PayU integration for **SmartCollect**, Flashaid's payment collections platform for EMI schedules, mandates, and UPI, processing **2,000+ payments a month** through PayU and Decentro.
- Partnered with business stakeholders to translate their requirements into production features for Flashaid's retail and group insurance products, which generate **₹2 crore+ (~\$240K)** in annual revenue.
- Shipped features from requirements to release, covering API design, frontend work, and payment integrations, and tracked tasks in Jira.
- Integrated **University Living** as a partner and helped onboard **18 institutes** to offer its student accommodation services through Flashaid.
- Launched **Student Total Protect**, an insurance and fee-protection product for students, offered through **12 partner institutes**.

Technical Skills

Languages: TypeScript, JavaScript, Java, SQL

Frameworks and Libraries: React, Next.js, Node.js, Tailwind CSS, Zod, React Testing Library

Data and Systems: PostgreSQL, Redis, Prisma, REST APIs, WebSockets, Payment Gateways

AI Engineering: LLM Integration and Evaluation, RAG, Voice AI, Gemini, Groq, Claude Code, OpenAI Codex

Cloud and Tools: AWS, Vercel, Docker, Git, Jira

Projects

Trailgrad – Technical Interview Preparation Platform

2026

trailgrad.com

- Built and launched **Trailgrad**, an end-to-end interview preparation platform for software engineers, with guided practice in **5 domains**, voice and text mock interviews across **5 tracks**, resume feedback, peer help, and a scored report after every session.
- Designed the AI interviewer to adjust to each candidate's role, experience, and resume, and to follow up on their earlier answers the way a real interviewer would.
- Created a shared coding editor with Monaco, Yjs, and LiveKit, with code running in **5 languages** inside isolated Judge0 and Vercel sandboxes.
- Kept live interviews responsive by giving the voice conversation to Gemini Live, next-step decisions to Groq, and answer grading to Gemini Flash, with automatic failover between providers.
- Made interview state safe across serverless instances, using PostgreSQL optimistic locking, Redis leases, and idempotency keys to stop duplicate processing and conflicting updates.

Education

B.Tech in Electronics and Computer Science

2020 – 2024

Pillai College of Engineering, Panvel, Navi Mumbai

CGPA: 9.24 / 10

Certifications and Awards

AWS Certified Solutions Architect – Associate

Jul 2026

Amazon Web Services

Valid until Jul 2029

Emerging Star Award

2024

Flashaid – recognized within 3 months of joining for engineering work and product delivery