

VASU VERMA

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EDUCATION

Bachelor of Computer Science, Manipal University

September 2022 - July 2026

EXPERIENCE

Forward Deployed Engineer

Heizen

May 2025 - Currently

San Francisco, Remote

- Led backend development of enterprise supply chain platforms used by clients such as ITC and Tan90 Thermals, building systems for real-time logistics visibility, shipment tracking, and operational workflows.
- Designed and developed distributed microservices in a monorepo architecture, working across Node.js/NestJS and Python, implementing scalable APIs and event-driven backend systems.
- Built and operated cloud-native backend infrastructure on AWS, collaborating across teams to deliver production-grade services, improve developer workflows, and support high-scale enterprise applications.

Software Development Intern

BondsIndia

June 2024 - August 2024

Mumbai, India

- Designed and developed a full-stack application using React, Node.js, Express, and MySQL, streamlining data processing workflows and improving operational efficiency by 50%.
- Built an automated CI / CD pipeline that uses AWS Lambda, S3, and CloudFormation, reducing deployment time by 70% and improving scalability to handle up to 10,000 bond records.
- Delivered a solution that enabled the marketing and fintech teams to save 50% of their time in tracking and analyzing bonds, empowering them to focus on strategic insights and customer engagement.

PROJECTS

MUJ ERP System Designed and built a full-stack ERP platform using a Turborepo monorepo with Next.js 15 and NestJS, supporting multiple role-based portals for institutional quality assessment workflows. Developed a configurable drag-and-drop KPI form builder with live editing and schema-driven forms for dynamic data collection. Integrated Google Gemini AI to automatically generate institutional assessment reports from structured KPI data using JSON pipelines.

AWS Credential Manager Extension Built a Chrome extension that securely stores and manages multiple AWS credential profiles, enabling developers to switch environments and authenticate with one click. Implemented encrypted local storage, automated credential injection for AWS, and streamlined authentication for console usage to improve developer productivity.

SKILLS

Languages	TypeScript, JavaScript, Java
Frameworks	NestJS, Node.js, Express, FastAPI, Next.js, React, Prisma, tRPC, LangChain
Cloud & DevOps	AWS, Docker, Kubernetes, New Relic, Sentry, Grafana, Telementary
Architecture	Microservices, Event-Driven Systems, Monorepos, RAG

ACHIEVEMENTS

- School of SCIS Ideathon 2nd Place
- Smart India Hackathon 2023 Finalist
- Datathon 2nd Place

CERTIFICATIONS

- CCNAv7: Introduction to Networks
- Java Foundations, Oracle
- AWS Cloud Practitioner