

Vandan Sheth

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Profile Summary

Software Engineer with strong expertise in Java , Spring Boot and Applied AI systems , focused on building scalable backend systems and distributed applications. At OneIT, designed and implemented enterprise solutions and automation pipelines, including AI-assisted workflows using MCP, agents, and RAG-based architectures. Additionally, gained hands-on experience with **Web3** technologies, developing decentralized applications and integrating smart contract-based systems with backend services. Skilled in system design, API development, and building production-ready applications across modern tech stacks.

Skills

Languages: Java, JavaScript, TypeScript, SQL, Ruby, Solidity, Python, Shell Scripting , Ethers.js

Frameworks & Technologies : Spring Boot, Web3j , OpenZeppelin , Hibernate, Angular, React.js, Kafka, Hardhat, REST APIs, Microservices Architecture, System Design

DataBase : PostgreSQL, MySQL, MongoDB

AI Methodologies : RAG, CAG, MCP, Vector DB, Context Design, Neural Network, Deep Learning, NLP, Vector Search

AI Tools & Framework : Spring AI, Claude Code, Skills, langchain4j, Hugging Face, Openrouter

Tools & Platforms : Git, GitHub, Maven, Docker, Postman, IntelliJ IDEA, VS Code, Render, Jenkins, Kubernetes , AWS (EC2 , S3 , SNS, SQS)

Experience

Software Engineer , OneIT - Remote

Jul 2024 – Present

- Built scalable backend modules using **Core Java** and **RESTful APIs** to streamline enterprise workflows.
- Built an AI Wrapper supporting multiple LLM providers (OpenAI, Anthropic) with unified API abstraction.
- Implemented **Model Context Protocol (MCP)** based workflows to manage contextual memory, tool usage, and knowledge grounding across multiple AI-powered projects.
- Integrated **Eway Payment Gateway** and **Chargebee** for secure payments and automated billing.
- Worked on **automated code generation** using Ruby-based pipelines, enabling faster UI scaffolding and reducing manual development effort.

Software Engineer Intern, TEACHNOOKPRO – Bangalore, India - Hybrid

Aug 2023 – Nov 2023

- Gained hands-on experience in **JavaScript**, **React.js**, **Node.js**, and **Tailwind CSS** through practical assignments.
- Built small-scale web components and APIs to strengthen full-stack development fundamentals.
- Demonstrated **quick adaptability** by learning new frameworks and tools within short timelines.

Projects

CredLayer - DeFi protocol

Live Demo

- Built **CredLayer**, a decentralized lending protocol enabling **under-collateralized loans (as low as 40% LTV)** using on-chain credit scoring and risk-based pricing
- Designed a **hybrid architecture (Solidity + Java Spring Boot)** integrating smart contracts with an off-chain risk engine for **dynamic credit scoring, loan approvals, and interest calculation**
- Developed an **event-driven backend using Web3j** to track blockchain events (loans, repayments, defaults) and automatically update user credit scores and risk bands in real-time
- Implemented **secure loan authorization using ECDSA signatures**, preventing unauthorized borrowing and enabling backend-validated risk-based lending decisions
- Tools Used: Java 17 , Spring Boot, Web3j, Solidity , Hardhat , PostgreSQL , Ethers.js , Next.js

VendorConnect – AI SaaS Marketplace

- Architected AI-native marketplace with **MCP** server for LLM-to-backend orchestration and conversational job management.
- Implemented **RAG pipeline with vector embeddings** for semantic vendor search and contextual recommendations.
- Built full-stack platform with JWT/OAuth, role-based access control, real-time dashboards, and 6-language support.
- Tools Used: Java, Spring Boot, Spring AI, React, MySQL, MCP, RAG

Aveling – LMS Portal

- Built and maintained **20+ reusable Angular components** across client, trainer, and admin portals.
- Developed **Java-based backend modules** for booking, invoicing, and configuration workflows.
- Integrated **Eway Payment Gateway** for secure, real-time payment processing.
- Tools Used: Java, Angular 9, REST APIs, PostgreSQL, Eway Payment Gateway

BWEDrilling - PWA App

- Built an **offline-first PWA (Angular)** for drilling operations with **IndexedDB** and **REST API sync**, enabling seamless data capture in low-connectivity environments.
- Developed a **custom sync engine with retry logic, error handling, and logging**, ensuring reliable data synchronization with a **Spring Boot backend**.
- Designed a **dynamic generic checklist system** supporting multiple checklist types, along with **drill report and claim import workflows**, improving scalability and data integrity.

Certificates

- Java + Spring Boot, Rest Web Services, MVC, Microservices
- Docker For Java Developer
- Claude AI Courses
- Blockchain Basics

Education

Indus University, Bachelor of Computer Application

Aug 2021 - Jun 2024

- Classification: First Class with Distinction | (CGPA : 8.16)
- **Coursework:** Data Structures & Algorithms, Software Architecture & System Design, DBMS