Mohit Jain

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Full-Stack Software engineer with hands-on experience delivering full-stack, cloud-native applications in fast-paced environments. Strong background in AI integrations, data engineering, and CI/CD pipelines for production-scale systems.

WORK EXPERIENCE

Software & AI Engineering Intern   *Feb 2025 – Aug 2025*
Hinduja Global Solutions (HGS)   *Boston, MA*

- **Sole frontend developer** owning architecture, performance, and delivery of an AI-driven AML compliance platform using **React** and **TypeScript**, building dashboards and workflows for analyst-driven case review
- Built backend AI services in **Python** using LLM orchestration tools to support document analysis and case-level intelligence
- Built and optimized GitHub Actions CI/CD pipelines, running **200+ end-to-end tests** and cutting integration time from **30 to 20 minutes** and improving release confidence in a rapidly evolving codebase
- Implemented a **retrieval-augmented generation (RAG) pipeline** to scan and synthesize documents for **data-backed decisions**
- Designed and shipped a **full-stack enterprise AI chatbot** supporting multiple business personas to enable domain-specific question answering across internal documents
- **Solely architected and delivered** an end-to-end ETL pipeline using **Azure Data Factory and SQL**, eliminating **40–50 hours/week** of manual reporting effort

Application Development Associate   *Jun 2021 – Dec 2023*
Accenture   *Mumbai, India*

- Built client-facing frontends with **React, TypeScript, and SCSS**, delivering dashboards, authentication, and data-dense UI across **4+ insurance modules** within a Model-View-Controller (MVC) architecture
- Developed and integrated **Node.js/Express backend services**, exposing RESTful APIs across multiple business verticals in a **microservices-based ecosystem**
- Designed **PostgreSQL schemas** and optimized SQL queries to support CRUD operations on large transactional datasets
- Supported **AWS deployments** using EC2, RDS, DynamoDB, Lambda, and Auto Scaling across multiple environments
- Built and maintained Jenkins **CI/CD pipelines** to automate builds and test execution reducing manual deployment overhead
- Practiced **Test-Driven Development (TDD)**, writing 100+ unit and integration tests with Jest and React Testing Library
- Collaborated in Agile/Scrum teams across **25+ sprint cycles**, contributing to sprint planning, daily stand-ups and code reviews
- Automated JSON payload validation between services using Python, saving **5–8 hours** of manual testing effort per release

EDUCATION

Master of Science in Software Engineering Systems   *May 2026*
Northeastern University – GPA: 3.86/4.0   *Boston, MA*

Bachelor of Engineering in Mechanical Engineering   *Jun 2021*
Institute of Engineering and Technology – GPA: 8.6/10   *Indore, India*

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML/CSS
Frameworks: React, Node.js, Express, FastAPI, LangChain, Streamlit
Databases: PostgreSQL, MySQL, MongoDB, Pinecone
Cloud & DevOps: AWS, Azure, Docker, Kubernetes, GitHub Actions, Jenkins
Practices: REST APIs, CI/CD, Agile/Scrum, TDD, RAG pipelines, Agentic AI

PROJECTS

Cloud Native AWS Automation — Cloud-native infrastructure automation system for provisioning and deploying scalable services using AWS, Terraform, and CI/CD pipelines.

Clinical Trial Data Pipeline — End-to-end data pipeline using retrieval-augmented generation (RAG) to extract structured clinical trial data from unstructured regulatory and research documents.

Investment Advisory AI Chatbot — AI-powered investment chatbot combining retrieval-augmented generation (RAG) with a custom-trained LLM on predefined Q&A datasets for financial insights.

Sharebite — Food-Sharing Web App — Full-stack MERN Progressive Web App with authentication, dashboards, and real-time tracking for managing food donations and deliveries.