

Amit Patel

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Experience

WASSERSTOFF INNOVATION & LEARNING LABS PRIVATE LIMITED

Feb 2024 – Present

Full Stack Developer (Gurugram, Haryana)

- Designed and created scalable **REST & GraphQL APIs** using **Node.js (Express, NestJS), Rust, and Flask**.
- Built **AI agents** for real-time data processing, **WebSockets**, and **event-driven** automation.
- Engineered multi-blockchain integrations using **Web3.js/ethers.js** for seamless blockchain interactions.
- Applied authentication flows using **JWT, OTP, and OAuth**, improving system reliability and security.
- Collaborated with frontend teams to build interactive dashboards using **React.js + Next.js**.
- Improved system performance with **Redis** caching, optimised queries in **PostgreSQL/MongoDB**, and **CI/CD** automation.

Education

IES College of Technology, Bhopal

Dec 2019 - June 2023

Bachelor of Technology in Computer Science Engineering (CGPA of 8.7)

Projects

Uatu AI | AI-driven Blockchain Indexer | Node.js, MongoDB, Web3.js, RabbitMQ, Web Socket | [Live Link](#)

- Developed scalable **RESTful APIs** using **Express.js**, leveraging **MongoDB + Mongoose ORM** for optimised document-based queries.
- Implemented **asynchronous background processing** with **Redis + RabbitMQ**, reducing API response times by **60%** for heavy transaction processing tasks.
- Integrated **token-based authentication, Single Sign-On (SSO)**, and **email notifications**, improving onboarding success rate by **50%**.
- Built high-speed **transaction processing** in **Node.js**, integrated with a **Pub-Sub Architecture** to reduce complexity.
- Collaborated with cross-functional teams in Agile sprints, contributing to real-time AI services like **human blockchain question and answer**.

Casper X | AI-driven Web Platform | AI agent, React.js, Node.js, MongoDB, PostgreSQL, Social Media Content Generation | [Live Link](#)

- Build scalable **RESTful API services** using **Python + FastAPI**, applying **async/await** to improve contract processing throughput by **30%**.
- Integrated **OpenAI GPT-4o** and **GPT-3.5** via the **Python SDK** to automate **social media content generation** and contextual analysis.
- Built **AI-agent-based** workflows, handling **stateful LLM orchestration**, transition logic, and **resilient error handling**.
- Executed persistent **MongoDB storage** using **PyMongo + LangGraph checkpoints** for AI conversation states.
- Decentralised the application with **Payment System** using **@Solana/web3.js**, optimising for **Solana Program** deployment.

***Astrix** | Music Event Platform | Next.js, Node.js, PostgreSQL, Redis, Docker | [Live Link](#)

- Engineered a secure **cart and wishlist system** with session-based **user authentication** and dynamic data handling.
- Enhanced **Music Event Handling** for easy-to-attend **variations of music events**, improving productivity.
- Simulated **500–1000 concurrent users** using load testing, achieving **99% uptime** and optimised response times.
- Integrated **Redis caching** to reduce query load and **improve page speed by 45%**.
- Containerised the project with **Docker** to enable scalable deployment and future CI/CD integration.

Technical Skills

Languages: C++, JavaScript, TypeScript, Python, Rust, SQL, NoSQL, HTML

Frameworks/Libraries: Node.js, Express.js, Node.js, PostgreSQL, MongoDB, FastAPI, React.js, Next.js, AI-Agent

Technical: Backend Development, RESTful API, DSA, OOPs Concepts, DBMS, Operating System, Networking

Tools: Git and GitHub, Visual Studio Code, Postman, MongoDB Compass, AWS, Digital Ocean, Jenkins