

ADITYA VASISHT

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PROFESSIONAL SUMMARY

Full Stack Developer specializing in **Node.js, TypeScript, Python and PostgreSQL**, with production experience shipping **AI-powered systems** on AWS. Built and deployed platforms using **RAG pipelines, pgvector semantic search, real-time WebSocket infrastructure**, and **GitHub Actions CI/CD**. Strong foundation in DSA and system design. Seeking a backend or full stack role at a growth-stage startup.

PROJECTS

- DevMate** | *Node.js, TypeScript, React, PostgreSQL, pgvector, Redis, Docker, AWS, LangChain.js* Mar 2026 – Apr 2026
– **Links:** [Live Demo](#) | [GitHub Source Code](#)
– Architected a full-stack AI job matching platform with a **RAG pipeline** (LangChain.js + Google Gemini) that semantically ranks developers against job postings and returns **explainable match scores**.
– Designed **pgvector** similarity search on PostgreSQL for embedding storage; built **20+ endpoint REST API** with **Prisma ORM**, JWT auth, RBAC middleware, and full **Swagger/OpenAPI** documentation.
– Reduced repeat DB load by **~70%** with a **Redis** caching layer; delivered live match alerts via **Socket.IO**; containerized with **Docker Compose** and deployed to **AWS EC2** behind **Nginx + HTTPS**.
– Authored a **GitHub Actions CI/CD pipeline** (lint → test → deploy) with **Jest** unit tests enforced on every PR — **all 3 jobs passing** in production.
- FindDevs** | *Node.js, Express.js, MongoDB, Socket.IO, AWS* Jan 2026 – Feb 2026
– **Links:** [Live Demo](#) | [Video Demo](#) | [GitHub Source Code](#)
– Architected a scalable **RESTful API** with **JWT authentication** achieving response times under **200ms**; engineered real-time bidirectional chat via **Socket.IO** with latency under **50ms**.
– Deployed on **AWS EC2** with **Nginx** reverse proxy and **PM2 clustering** for **99.9% uptime**; integrated **Razorpay** payment gateway and **Amazon SES** for transactional emails.
– Modeled developer–connection relationships in **MongoDB** using Mongoose ODM with **aggregation pipelines** for feed generation and smart connection suggestions.
- Escape** | *Node.js, Express.js, MongoDB, RBAC* Aug 2025 – Oct 2025
– **Links:** [Live Demo](#) | [Video Demo](#) | [GitHub Source Code](#)
– Built a travel marketplace backend with a custom **State Machine** tracking negotiation lifecycles (Pending → Accepted → Rejected) with **atomic MongoDB transactions**.
– Enforced strict **RBAC** via middleware across buyer, seller, and admin roles; hardened security with **Helmet.js** headers and dynamic **CORS** policies.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, C++, Java, SQL, HTML5, CSS3
Frontend: React.js, Redux Toolkit, Tailwind CSS, Vite, Material UI, Responsive Design
Backend: Node.js, Express.js, Socket.IO, RESTful APIs, JWT, RBAC, Swagger/OpenAPI, Microservices, FastAPI
AI / ML: LangChain.js, Google Gemini, RAG Architecture, Claude API, Vector Embeddings, pgvector, Vibe Coding
Databases: PostgreSQL, MongoDB (Aggregation Pipelines), Redis, Prisma ORM, Mongoose ODM
DevOps & Tools: AWS (EC2, SES), Docker, Docker Compose, Nginx, GitHub Actions (CI/CD), Git, Postman, Linux

EDUCATION

- Jaypee Institute of Information Technology** Noida, Uttar Pradesh
Bachelor of Technology in Electronics and Communication Engineering Oct 2022 – July 2026
– **Relevant Coursework:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks
- Rishikul Senior Secondary School** Gharaunda, Haryana
Senior Secondary Education (CBSE) – 90.2% Completed June 2021