

Abdul Wahab Ahmad

Full Stack & AI Engineer

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SUMMARY

Full Stack & AI Engineer who builds and ships production-grade web applications and AI-powered products — from architecture to live deployment. Strongest in backend architecture and system design: secure authentication, clean layered APIs, and containerized delivery. Proven by real, deployed projects including a live AI SaaS. I take full ownership of features end-to-end and care about systems that hold up under real users.

TECHNICAL SKILLS

Frontend: React · TypeScript · Tailwind CSS · JavaScript (ES6+) · Vite · Responsive UI

Backend: Node.js · Express · REST API design · Zod validation · rate limiting

AI / LLM: OpenAI API · Claude API · LLM integration · structured output · agentic workflows

Databases: PostgreSQL · Drizzle ORM · Neon Serverless · schema design · query optimization

Auth & Security: JWT · bcrypt · HttpOnly cookies · CORS · XSS/CSRF mitigation

DevOps & Deploy: Docker (multi-stage) · GitHub Actions CI/CD · Vercel · Render · Git

Foundations: C++ · Java · TCP socket programming · Data Structures & Algorithms

PROJECTS

Coverly — AI SaaS Product | *React · Node.js · Express · PostgreSQL · LLM Integration · Docker · GitHub Actions CI/CD*

[Live ↗](#)

- Built and deployed a live AI SaaS that generates tailored cover letters and hiring-manager cold emails in **under 10 seconds** from a job description.
- Engineered **structured JSON output** from the LLM to eliminate brittle parsing and keep responses reliable in production.
- Secured the API with token-based auth and input validation; containerized with Docker and automated releases via a **CI/CD pipeline** that validates every build.

Tasker — Full-Stack SaaS | *React · Node.js · Express · PostgreSQL · Drizzle ORM · Docker · GitHub Actions · Vercel · Render*

[Live ↗](#)

- Built a full Kanban task-management platform with a **productivity analytics dashboard**, rich-text editing, real-time search, and a mobile-first responsive UI.
- Designed a secure REST API: **JWT auth via HttpOnly cookies**, bcrypt hashing, Zod validation on every endpoint, rate limiting, and strict CORS — closing XSS/CSRF surfaces from the ground up.
- Architected the PostgreSQL schema with Drizzle ORM and optimized queries with indexes; shipped with **multi-stage Docker builds** (non-root, least-privilege) and automated CI/CD.

Supply Chain Route Optimizer — Networked SystemsSource ↗

C++ · Java · TCP Socket Programming · JSON · DSA

- Architected a **client-server system from scratch**: a C++ backend handling graph-based routing logic, a Java frontend client, communicating over raw TCP sockets.
- Designed JSON as the cross-language data-exchange format — demonstrating low-level networking fundamentals and end-to-end system design across two languages.

EDUCATION

B.Sc. Computer Science — Air University, Islamabad

2024 – Present

Relevant coursework: Data Structures & Algorithms · OOP · Databases · Computer Networks · Information Security · Operating Systems

CURRENTLY DEEPENING

Advanced TypeScript · Next.js · Agentic AI & LLM systems · Cloud deployment (AWS/GCP) · System design at scale