MEHFOOZ AHMED

Full-Stack Software Engineer

Udupi, Karnataka | +91 86605 96607 | mehfoozmaaz@gmail.com | linkedin.com/in/mehfoozmaaz

SUMMARY

Full-Stack Developer with over 3 years of experience building scalable web applications using Angular, Node.js, Express, and PostgreSQL — primarily in health tech. Skilled in REST API development and SaaS, with proven success optimizing backend performance, implementing HIPAA-compliant security, and consolidating enterprise platforms. Adept at delivering secure, high-performance, modular solutions aligned with business goals.

SKILLS

- Frontend: Angular (Standalone Components, RxJS, Signals), Material UI, HTML, CSS, Bootstrap
- Backend: Node.js, Express, Middleware, REST APIs, AI Integrations (Claude, Mistral, OpenAI, OpenRouter, NVIDIA)
- Databases: PostgreSQL, MySQL, MongoDB
- Cloud & DevOps: AWS (S3, KMS, Translate, Transcribe), GitHub/GitLab, Firebase, Vercel, Netlify, Render
- Tools & Testing: Git, Postman, SonarQube, Playwright, k6, Manual Testing
- Practices: HIPAA, OWASP, VAPT Remediation, CI/CD, Performance Optimization, Documentation

WORK EXPERIENCE

Full Stack Web Developer Feb 2023 – Present

Pace Wisdom Solutions, Mangalore | Client: HEAPS.ai (Contract), Bangalore

- Consolidated 15+ enterprise applications into a unified platform using Angular, Node.js, Express, and PostgreSQL, improving scalability and reducing maintenance costs.
- Designed and maintained multi-tenant architectures supporting multiple clients and regions with isolated data and shared services.
- Optimized backend queries, cron processes, and reporting pipelines, improving CPU usage and data retrieval performance by 30–60%.
- Owned the Case Management System (CAM)—one of Heaps.ai's core applications—end-to-end from design through deployment, a PWA-enabled, mobile-optimized insurance workflow tool that improved usability and operational efficiency.
- Delivered HIPAA-compliant healthcare applications with token-based authentication and encryption, closing all VAPT findings via OWASP-aligned fixes.
- Provided ad-hoc production support—investigating live incidents, deploying fixes, and monitoring system health—while collaborating with the Product team to clarify requirements and shape feature scope.
- Mentored interns and junior developers through code reviews and pair programming, and led a hands-on full-stack workshop for BTech students covering Angular, Node.js, and security fundamentals.
- Developed AI-assisted features and LLM-powered UI prototypes using reusable frontend templates to accelerate AI product experimentation.
- Maintained 80%+ test coverage with zero SonarQube issues, leveraging AWS (S3, KMS, Transcribe, Translate) and Git-based CI deployments (Vercel, Netlify, Render) in an Agile/Scrum environment.

PROJECTS

Heaps.ai — Healthcare Platform

- Developed modular healthcare web applications—including the Case Management System (CAM) for insurance workflows—using Angular, Node.js, and PostgreSQL, with secure, compliance-aware workflows aligned with healthcare data protection standards.
- Optimized backend queries and data access patterns, achieving 30–60% performance improvements; built scalable frontend modules using standalone Angular components and PWA-ready architecture.

SQL Quality Toolchain

- Built a Node.js CLI toolchain using a WASM-based Postgres query parser and a SQL formatter to statically analyze and enforce SQL quality standards.
- Integrated with Husky and lint-staged as a git pre-commit hook, enforcing organization-wide SQL conventions before code reaches review.

FormFlow — Enterprise-Grade No-Code Form Builder (In Progress)

- Architecting a full-stack no-code dynamic form platform (Builder + public Renderer) using React 19, TypeScript, Node.js/Express, and PostgreSQL, with AI-assisted form generation powered by Mistral.
- Designed a shared authorization layer replacing scattered ownership checks across the API, unifying access control for owners, admins, and collaborators.
- Built real-time collaboration (Socket.IO presence, live cursors, field-change notifications) and optimistic-concurrency form versioning to prevent conflicting concurrent edits.
- Implemented Razorpay payment integration with idempotent webhook-based fulfillment for one-time and subscription credit purchases.
- Used Claude Code and Anthropic's Model Context Protocol (MCP) / agent-skills tooling to accelerate the build.

ExamTech — Examination Platform

- Built a web-based examination system for colleges to design customizable exam papers, with PDF generation and exam tracking using Angular and Node.js, reducing manual administrative workload.

INTERNSHIP

Full Stack Web Developer Intern Aug 2022 – Sep 2022

Impelsys, Mangalore

- Built an online course scheduling application (Java Servlets) enabling teachers to manage live class batches and students to enroll in paid courses.
- Implemented basic authentication, batch scheduling logic, and enrollment workflows.

EDUCATION

- Bachelor of Engineering (B.E.), Computer Science — Yenepoya Institute of Technology, Moodabidri (2019 – 2023)
- Pre-University (PCMS) — Mahathma Gandhi Memorial College, Udupi (2017 – 2019) • SSLC — Modern International School, Riyadh

CERTIFICATIONS

- Claude Code 101, Claude Code in Action, Claude with the Anthropic API, Introduction to MCP, Agent Skills & Subagents — Anthropic (applied in FormFlow's AI features)
- Introduction to Git and GitHub (Coursera) • Introduction to MongoDB (MongoDB University)