

Mohammed Mudassir

Senior Full Stack Engineer · Bengaluru, India

+91 99029 32793 | mohammed.mudassir@outlook.in | mdmudassir.in | linkedin.com/in/md-mudassir | github.com/Md-Mudassir

SUMMARY

Senior Full Stack Engineer with **7 years** of experience building and shipping production web and mobile products end-to-end, from data model and REST APIs to UI and app-store release. Owned **14+ projects** across healthcare, real estate, ERP and ed-tech, with measurable results including cutting **ERP load time from 70s to 2s**, a **98% reduction in server load time**, **~80% faster video loading** and a **~66% smaller mobile app**. Currently leading agentic AI R&D (LLM agents, Model Context Protocol) at Copperpod AI. Founder or co-founder of **4 live products**, promoted **3 times** in 3.5 years and a **3x Excellence in Engineering** award winner. Strong in TypeScript, React, Next.js, React Native and Node.js.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3, C#, Python
Frontend	React, Next.js, Redux, Tailwind CSS, Progressive Web Apps (PWA), Web Workers, client-side caching, responsive UI
Mobile	React Native, Expo, iOS & Android releases, CodePush (OTA updates), deep linking, push notifications, Firebase
Backend	Node.js, Express.js, REST APIs, event-driven architecture, message queues, ASP.NET MVC
Databases	MySQL, MongoDB, SQL Server, Firebase, Oracle APEX
AI / LLM	Agentic workflows, Model Context Protocol (MCP), Claude API, tool calling, LLM evaluation, human-in-the-loop design
Cloud & Tooling	Hostinger VPS (Linux), Cloudflare, Vercel, Netlify, Firebase, Git, GitHub, cloud build pipelines, App Store Connect, Google Play Console
Integrations	Razorpay, Cashfree (UPI/cards), Mixpanel, CleverTap, Branch.io, Facebook SDK, Firebase Crashlytics, Zoom SDK, Google Maps
Practices	System design, performance optimization, code review, Agile/Scrum, sprint planning, mentoring, technical leadership

PROFESSIONAL EXPERIENCE

Copperpod AI

Aug 2023 - Present

AI and software consultancy · Bengaluru, India (Hybrid)

- Senior Software Engineer
- Aug 2025 - Present
- Lead R&D on **agentic AI workflows**: designing how LLM agents plan, call tools through the **Model Context Protocol (MCP)** and hand off to humans, with guardrails, structured outputs and evaluation harnesses so prompt and model changes are measured, not guessed.
 - Turn R&D prototypes into production architecture the wider engineering team can build on and maintain.
 - Continue to own client delivery end-to-end, from scoping and architecture through launch.

- Full Stack Developer
- Aug 2023 - Aug 2025
- Owned **~14 client and internal projects end-to-end** across veterinary healthcare, real estate, ERP and the company's own web presence.
 - Built **OneUnit+** for National Veterinary Associates: **two production React Native / Expo apps** (a pet-parent donor app and a hospital inventory app) live on the **App Store and Google Play**, tracking every blood unit from donation to transfusion across a hospital network, with barcode "scan to dispense", eligibility and consent flows, and appointment scheduling.
 - Designed an **event-driven backend notification service** modelling **20+ event types** (donor lifecycle, consent, blood-unit status, low stock), delivered via Expo push notifications; low-stock and status alerts **replaced manual follow-ups** for hospital teams.

- Cut a data-heavy **ERP's load time from 70s to 2s (~97% faster)** by introducing **pagination and caching**, and moved sorting and aggregation of thousands of rows into **Web Workers** so the UI stays responsive, **without a rewrite**.
- Re-architected a **real-estate platform's** front end around **client-side caching and background prefetching**, removing redundant network requests so previously seen listings render instantly.
- Replaced long single-page forms with guided **stepper flows**; built **Oracle APEX** business apps with custom JavaScript; designed and built the **Copperpod AI website** in Next.js.

CareerLabs

Dec 2019 - Jul 2023

Ed-tech platform · Bengaluru, India · Promoted 3 times (SDE I to Technical Lead) · 3 Excellence in Engineering awards

Technical Lead · Elev8 mobile app

Feb 2023 - Jul 2023

- Led the **Elev8** app team: technical direction, code reviews, sprint planning and mentoring; hands-on in the backend.

Software Development Engineer III

Mar 2022 - Feb 2023

- Introduced **CodePush over-the-air updates and cloud build tooling**, shipping JS fixes without full store releases for **faster releases at lower cost**.
- Partnered with product and business teams on the roadmap, shipped new features every sprint and mentored developers.
- Led R&D on a **metaverse campus platform** letting students explore universities, courses and programmes virtually.

Software Development Engineer II

Mar 2021 - Mar 2022

- Rebuilt the React Native **video player** from the ground up, improving **video load time by ~80%**.
- Implemented deep linking and **reduced app size by ~66%**.
- Instrumented product analytics across **Mixpanel, CleverTap, Facebook SDK and Branch.io**, giving the business funnel insights that drove product and revenue decisions.
- Integrated Firebase Crashlytics, push notifications and Remote Config, in-app **Zoom webinars** (open-source contribution to **react-native-zoom-us**), an in-app tour and Zoho chat support; built a React / Redux admin UI.
- Revived a dormant **iOS build** with no prior iOS experience, fixing the blocking issues and restoring iOS releases.

Software Development Engineer I

Dec 2019 - Mar 2021

- Core developer of the **CareerWizard** platform from first commit to production, including its **Career Track Recommendation Engine** (Lite and Pro tiers).
- **Reduced server load time by 98%** by introducing message queues for asynchronous processing.
- Built CRUD **REST APIs in Node.js / Express**, converted the product to a performance-tuned **PWA**, integrated **Razorpay** payments and built React landing pages and a testimonials CMS.

FOUNDED PRODUCTS

Common stack: Next.js (web) · React Native / Expo (iOS, Android) · Express.js API on a Hostinger VPS · frontend on Cloudflare

Yalla Hajji · Co-founder, product & engineering · yallahajji.com

2026

- Marketplace connecting pilgrims with verified Umrah and Hajj agencies, plus a companion app **live on web, iOS and Android**; shipped **9 iOS releases in 3 months**. Built an agency workspace (tiered pricing, lead management, field-agent dispatch, conversion analytics), an offline-capable Duas hub with audio, and opt-in **real-time group location** with SOS alerts and automatic data purging.

Labbyk · Founder · labbyk.in

2026

- SaaS website builder that takes travel agencies online **in minutes instead of weeks**: **AI parsing of flyers and PDFs** into structured packages, online bookings (UPI / card), a lead CRM, sites in **8 languages** including Arabic and Urdu, and custom domains. Live with paid subscription plans.

HaniGo · Co-founder, product & engineering · hanigo.in

2026

- Hyperlocal food and grocery delivery platform for smaller towns, **live on the App Store and Google Play**: live order tracking with push updates at every stage, Cashfree UPI / card payments, menu scanning to onboard restaurants, and shift and earnings tools for delivery partners.

makemyapp · Co-founder · makemyapp.co.in: studio taking founders' apps from idea to app store (React Native / Expo).

RESEARCH & PUBLICATIONS

Auth3D: A Platform to Digitally Sign and Verify 3D Graphic Models

Apr 2026

- Paper presented at the **11th International Conference on ICT for Intelligent Systems (ICTIS 2026)**, Bangkok. Built geometry-aware fingerprinting for 3D models that survives re-export and re-scaling, embedded signed manifests and ownership verification. [auth3d.netlify.app](#) Stack: React, Vite, TypeScript, 3D geometry, cryptography.

Identify: Let's Reunite · BCA final-year project

2019

- Web platform where parents report missing children and citizens report sightings; photos are matched with facial recognition (Microsoft Azure Face API) to surface probable matches for parents and police. Stack: C#, ASP.NET MVC, SQL Server, Azure Face API.

WIMB: Where Is My Bus · Published paper

Jan 2017

- Live bus-tracking Android app with route-aware bus lists and arrival estimates; published in the **Global Journal of Engineering Science & Researches**. Stack: Android, Google Maps API.

EDUCATION

MSc, Computer Science · Christ University, Bengaluru

2024 - 2026

Bachelor of Computer Applications (BCA) · Al-Ameen Institute of Information Science, Bengaluru

2016 - 2019

Full Stack Development (MERN) Program · Focus Academy for Career Enhancement · shipped 10+ projects

2019

AWARDS & CERTIFICATIONS

- **Excellence Award in Engineering, 3 times** - CareerLabs (CareerWizard; Elev8 App; Elev8 App & Management)
- **Startup Pitch award, Product Leaders Forum Bangalore 2023** - for Style.ai, an AI on-model fashion imagery concept (2023)
- **Jharkhand Startup Hackathon, Top 50 nationally** - DoIT & eGov Jharkhand (2019)
- **Student wins:** 1st place, Web Designing at INTERFACE 2017 national IT fest (Christ University) · Best Paper Presentation, INIT 2017 (WIMB) · 2nd place, Web Designing at Mind Spark (PES University, 2017)
- **Anthropic (2026):** Claude Code in Action · Model Context Protocol · Building with the Claude API · Agent Skills