

# RAJA HAMMAD AHSAN

## Full Stack Developer

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### Professional Summary

Software Engineer with 3+ years of experience building full stack applications using Node.js, Express, TypeScript, React, and Next.js. Skilled in PostgreSQL (Prisma), MongoDB, MySQL and Redis, with hands-on experience in real-time apps (WebRTC, Socket.io), AI/LLM integrations, and Web3 smart contracts. Experienced with CI/CD pipelines, RESTful APIs, and Agile workflows.

### Professional Experience

#### Hypertext Solutions

04/2025 – present | Islamabad, Pakistan

##### Full Stack Developer

- Build real-time web apps using React, Next.js, TypeScript, Node.js, Prisma, and PostgreSQL.
- Designed and developed scalable REST APIs for both mobile apps and web applications.
- Use Socket.io for live features (notifications, chat)—reduced server load by 20% compared to polling.
- Implement secure authentication and React Query for data fetching, improving UI performance by 40%.
- Delivered 7+ end-to-end projects across web and mobile-integrated platforms.

#### Octalooop Technologies

08/2023 – 03/2025 | Islamabad, Pakistan

##### Full Stack Developer

- Integrated Web3 smart contracts into dApps, enabling decentralized transactions.
- Developed full stack websites using React, Next.js, Tailwind CSS, SCSS, and TypeScript.
- Built RESTful APIs and services with Node.js and Express, working with SQL and NoSQL databases.
- Managed Git version control in an Agile team workflow (branches, PRs, reviews) resulting in zero conflicts.
- Implemented Redis caching and session management, reducing API time by 30% and database load by 25%.

#### Robx.ai

06/2023 – 08/2023 | Remote

##### Full Stack Developer

- Work with both SQL and NoSQL databases to handle application data.
- Build back-end services with Node.js and Express to handle server-side logic and APIs.

### Skills

**BackEnd:** Node.js, Express.js, TypeScript, REST APIs, JWT, OAuth, Redis, Socket.io

**FrontEnd:** React.js, Next.js, JavaScript, Tailwind CSS, SCSS, Bootstrap, React Query

**Databases:** PostgreSQL (Prisma ORM), MySQL, MongoDB, Firebase

**Tools:** Git (CI/CD pipelines), Postman, Vercel, Render

**Real-Time Communication:** WebRTC, WebSockets/Socket.io

**other:** Web3, Stripe, Zoho Payment, LLM Integration (OpenAI API)

### Education

#### BS Computer Science

09/2019 – 06/2023 | Rawalpindi, Pakistan

Arid Agriculture University Rawalpindi

##### FYP: Decentralized Voting System

- Developed a blockchain-based voting system using Solidity smart contracts to automate vote counting and ensure 100% immutability of records.
- **Tech Stack:** ReactJS, NodeJS, ExpressJS, MongoDB, Solidity

## Projects

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### AI Neorez [↗](#)

Built an AI-powered platform for resume and cover letter generation with a Chrome extension (Manifest V3) that retrieves job descriptions from Indeed and generates tailored content, increasing job application success rates by an estimated 30%.

**Tech Stack:** React.js, JavaScript/TypeScript, Node.js, Express.js, Tailwind CSS.

**Integrations:** OpenAI LLM API, Browser Extension (Chrome/Manifest V3)

### Tutoring [↗](#)

A role-based tutoring platform for teachers, students, parents, and admins with classroom management, assignments, live sessions, and AI-based grading. It includes whiteboard collaboration, reports, reminders, and Google Drive integration for managing learning workflows.

**Tech Stack:** React.js, Tailwind CSS, Redux Toolkit, Node.js, Express.js, MongoDB, Sockets / WebRTC, OpenAI API, Google Drive API

### MISTER AI [↗](#)

Built a comprehensive AI-powered platform offering AI-generated resumes, blog generation, image processing, PDF simplification, and AI quizzes.

**Tech Stack:** Next.js, Node.js, Express.js, JavaScript, TypeScript, Tailwind CSS, MongoDB .

**Integrations:** OpenAI LLM API, PDF processing, Image processing

### Business that Matters [↗](#)

Developed a MERN Stack SaaS platform for startups featuring AI-driven chatbots that generate business plans from user inputs, plus a Trello-like Kanban board and Google Docs integration for real-time collaboration and task management.

**Tech Stack:** MongoDB, Express.js, React.js, Node.js, JavaScript, TypeScript, Tailwind CSS.

**Integrations:** OpenAI LLM API, Google Docs API, Google Drive API

### EXTENDED TRUST [↗](#)

Integrated a comprehensive car insurance application using ReactJS, streamlining the insurance process. The project enables users to obtain, manage, and renew car insurance policies efficiently.

**Tech Stack:** React.js, JavaScript, Node.js, Express.js, Tailwind CSS.

## Certificates

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The Complete JavaScript Course: From Zero to Expert [↗](#)