

Wajiha Abid

Senior Software Engineer

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Professional Summary

Versatile and results-driven Software Engineer with 5 years of experience in designing scalable systems, leading development teams, and building innovative solutions. Skilled in modern frameworks including NestJS, Next.js, React, Vue, Laravel and Node.js. Recognized for reducing code complexity and optimizing performance. Adept at collaborating in fast-paced environments and mentoring junior developers.

PROFESSIONAL EXPERIENCE

Software Engineer II, Afiniti 05/2023 – Present

Working as a Fullstack Developer and using latest tech stack, Nextjs and Nestjs.

Achievements/Tasks:

- Contributed to **Mega**, an enterprise-grade contact center platform for clients like **Avaya, Microsoft, and Salesforce**, enabling omnichannel communication and automating **60%+** of support workflows.
- **Driving core initiatives** in **Minerva**, an enterprise AI management platform supporting knowledge structuring, AI skill creation, workflow automation, document ingestion, structured data extraction, **RAG-based retrieval**, and **REST API** integration to enable scalable and governed AI adoption.

Senior Software Engineer, C Square Consulting (Pvt.) Ltd 07/2022 – 05/2023

Tech Stack: Node.js | NestJS | Redis | MS SQL | React | JavaScript

Karachi, Pakistan

Achievements/Tasks:

- Spearheaded the development of AdvantagePro, a microservices-based **CRM to replace SugarCRM**, reducing onboarding time by **30%** and enabling scalable enterprise operations.
- Designed and delivered **CDDM**, a secure digital finance product for bankless banking, increasing **transaction efficiency by 40%**.
- Collaborated with **7+ banks** and global clients to implement custom enterprise modules with high compliance and fault tolerance.
- Mentored junior engineers on Node.js and NestJS, resulting in a **55%** Improvement in code quality and delivery speed.

Associate Senior Software Engineer, Outcast Solutions 07/2021 – 05/2022

Tech Stack: Node.js | Laravel | Vue | Socket.io | Javascript | MySQL

Karachi, Pakistan

Achievements/Tasks:

- Engineered a high-performance **screen-sharing desktop app (AnyDesk alternative)** without WebRTC, showcasing advanced low-level systems engineering.
- Built a Live Media Broadcasting system using **RTMP**, Node.js, Socket.IO, and FFmpeg, successfully completing MVP.
- Upskilled and coached **2 interns** to junior developer roles, leading to measurable gains in team velocity and delivery consistency.

Backend developer, Vector3 01/2020 – 07/2021

Tech Stack: Node.js | Firebase | vanilla JavaScript.

Karachi, Pakistan

Achievements/Tasks:

- Built backend systems for **10+ major brands** (Coca-Cola, Olpers, Enfa) with **24/7 uptime** and real-time data ingestion. Improved **targeting accuracy by 35%**, boosting marketing ROI.

Technical & Professional Skills

Programming Languages

Javascript | Typescript | Python


Frontend Frameworks / Libraries

React.js/Next.js | Vue.js/Nuxt.js

Desktop Development

Electron.js

Backend Frameworks/ Technologies

Node.js/Nest.js | Laravel | GraphQL |
Socket.io  | RabbitMQ Kafka

Databases

PostgreSQL | MySQL | MS SQL

DevOps / Infrastructure

Docker | GCP | AWS (EC2)

Tools & Development Aids

GitHub Copilot | Mend | Git | Canva |

Testing Tools

Jest | Enzyme

Soft Skills

Team Leadership & Mentorship |
Technical Writing (*Medium Blogs & Documentation*)

PROJECTS

Minerva AI ChatBot

11/2024 – Present

- An enterprise AI management platform for knowledge structuring, AI skill orchestration, and workflow automation.
- Features include document ingestion, structured data extraction, AI skill creation, and system integrations via RAG retrievers and REST APIS
- The stack used is Nest.js, Next.js, PostgreSQL, Kong

Advantage Pro, <https://github.com/jiaabid/CRM-pro.git>.

09/2022 – 05/2023

- A fully featured CRM with configurable modules. Data could be bind dynamically via user interface to reduce the development for future.
- The stack used is Nest.js, Microsoft SQL, Redis, Socket.io, React.

Dubai Police Academy,

<https://github.com/jiaabid/dubai-police-academy-server>

07/2023 – 09/2023

- A Nest.js server which manages chats, user/role management and website content. The website is generated dynamically.
- The stack used is Nestjs, Passport.js, Multer, Mongodb, Cloudinary, Socket.io.

James cc, https://github.com/jiaabid/jomes_cc.git.

04/2022 – 07/2022

- Instagram clone for social interactions with some dating features.
- The slack used is Laravel, MySQL, HTML, CSS, Bootstrap, JavaScript.

Sharpshare, <https://github.com/jlaabid/screen-shoring-app.git>.

06/2021 – 07/2021

- IIs a screen sharing desktop app similar to AnyDesk. It manages the recent connections and user can sel password for the access.
- The stack used is Electron.js, Node.js, Socket.io, Robot.js, HTML, Css, Javascript.

CERTIFICATES

Huawei Certified Networking & Switching

Associate Routing and (Cloud 101)

(10/2020)

EDUCATION

B.S in Computer Science and IT, *NED University of Engineering and Technology*
CGPA: 3.56

10/2017 – 11/2021