

# Jahanzaib Tayyab

Software Engineer

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## PROFESSIONAL EXPERIENCE

### Mavrick, Full Stack Engineer

Oct 2024 – present

- Develop & maintain **dynamic, responsive web apps** prioritizing user experience & client requirements.
- **Architected** and **optimized** front-end user interfaces with React/Next.js, boosting performance by **30%** and enhancing user engagement.
- **Developed** robust **Node.js** back-end APIs, handling data modeling and ensuring **secure** integration with third-party services.
- **Resolved** IoT-related issues that **reduced** processing times by **40%**, collaborating closely with hardware teams to ensure data accuracy and reliability.
- **Implemented** essential **cloud integration** (AWS for file storage, email notifications, etc.) in collaboration with a DevOps team, gaining moderate experience in production deployments.
- **Led** agile ceremonies (stand-ups, sprint planning), **coordinating** across teams to deliver features on schedule and **improve** cross-functional collaboration.
- **Mentored junior developers**, improving team efficiency and reducing onboarding time by **40%**.

### Devigital System, Software Engineer

Feb 2021 – Oct 2024 | Lahore, Pakistan

- **Engineered** a B2B SaaS platform (React/Node.js/PostgreSQL) handling **200K+ monthly transactions**, optimizing database indexing to **reduce query times by 45%**.
- **Enhanced** Node.js back-end services to support scalable API endpoints, improving response times by **~25%** and streamlining data flow for critical business operations.
- **Integrated** basic AWS offerings (EC2, Cognito), third-party APIs (Stripe, HubSpot) for payment processing and CRM, improving user retention by **20%** through seamless UX flows.
- **Conducted** code reviews and **mentored** junior developers on best practices in JavaScript/TypeScript, raising overall team proficiency.
- **Implemented** TDD/BDD approaches for key features, significantly **reducing** bugs in production and boosting confidence in rapid iterations.

### Interns Spark, Web Developer (Intern)

Aug 2020 – Nov 2020 | Lahore, Pakistan

- **Contributed** to front-end development efforts in a small, agile team, **implementing** responsive layouts and ensuring cross-browser compatibility.
- **Resolved** priority bugs to **improve** performance and user engagement, receiving commendations for quick turnaround times.

## SKILLS

**Programming Languages:** — JavaScript(ES6+), TypeScript, Python3, SQL, HTML/CSS

**Front-End:** — React, Next.js, Redux, Material-UI, Chakra UI, Tailwind CSS

**Back-End:** — Node.js, Express, NestJS, TypeORM, Prisma, REST APIs, GraphQL, OpenAI API, Drizzle, Prisma, Poetry, Express, RDS, Crew AI, | Open AI, LangGraph, Agentic

**Security & Compliance:** — OAuth 2.0, JWT, Role-Based Access Control (RBAC), GDPR Compliance

**Database** — PostgreSQL, SQL, MongoDB, Firebase, Supabase

**Tools & Practices:** — Git, JIRA, Agile/Scrum, TDD, BDD, Webpack, Jest, Cypress

**Cloud & DevOps:** — AWS (EC2, S3, RDS, Cognito, Lambda), Docker, Kubernetes, CI/CD Pipelines

## EDUCATION

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**PIAIC**, *Certified Cloud Applied Generative AI Engineer*

Nov 2022 – present | Lahore, Pakistan

**CUI Lahore**, *Bachelor's Software Engineering*

Feb 2017 – Jan 2021 | Lahore, Pakistan

## INDUSTRY PROJECTS

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### Wise Pelican

**Created** a custom real estate postcard builder using **Angular 18**, Sass, and Parse, focusing on **front-end** performance optimizations.

**Collaborated** with back-end teams to integrate MongoDB and AWS/GCP services, gaining moderate **cloud** exposure.

**Technologies:** Angular18 ,Sass ,Parse, MongoDB , ChiliFx , NodeJs , Typescript, Azure , HubsSpot , AWS , GCP

### Linus Analytics

- **Developed** a multi-tenant web interface for IoT-enabled scrap collection, integrating **NextJS** (App Router) and **NestJS** to manage real-time data.

- **Implemented** React-Query and Material UI for fast rendering and consistent design across devices, ensuring reliability for diverse user bases.

- **Integrated** AWS Cognito for secure authentication, coordinating with DevOps teams for scalable deployment.

**Technologies:** NextJS (App Router) ,Next-Auth ,React-Query, Material UI , Formik , NestJS , Typescript, AWS-Cognito , Mailjet , TypeORM , PostgreSQL, IoT, MQTT

### Signa Capture

- **Built** an album-design platform with **NodeJS (Express)** and **ReactJS**, focusing on front-end polish and straightforward user flows.

- **Reduced** server response time by **20%** using caching strategies and optimized queries.

**Technologies:** PostgreSQL, NodeJS (Express) and ReactJS

### Table Cloth

**Developed** a **SaaS** solution (Node.js back-end, React front-end) to track and report ESG metrics for private equity investors, leveraging Redux and Material UI for a clean, cohesive interface.

**Technologies:** PostgreSQL, NodeJS (Express), ReactJS, Redux, Material UI

### Welfie - Wellness Selfie

Health , Online Doctor Session and COVID-19 Test Status and Vaccine Status Management for Communities

**Technologies:** React Js , Material UI , Reactstrap , SCSS , Node Js , Express , PostgreSQL , Typeorm , AWS S3 , AWS Lambda Functions , Stripe , GetStream Chat Api

### Abloh

LMS Platform for students and Teachers and Social Media features like ,Groups crated,Campus feed.

**Technologies:** PostgreSQL, NodeJS (Express) and React Native

## CERTIFICATES

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Generative AI for Everyone [🔗](#) | AWS Fundamentals: Addressing Security Risk [🔗](#) |

Industrial IoT on Google Cloud [🔗](#) | Essential Google Cloud Infrastructure: Foundation [🔗](#) |

Google Cloud Fundamentals: Core Infrastructure [🔗](#) | AWS Fundamentals: Going Cloud-Native [🔗](#)

## LANGUAGES

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Urdu (Mother Tongue)

English (C1)