



Shakeel Zain

Senior Software Engineer

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Lahore, Pakistan

SUMMARY

Senior software engineer building scalable web applications, cloud-native systems, and reliable backend platforms. Full-stack with a backend focus — Node.js, NestJS, and React on AWS, with PostgreSQL and MongoDB. Currently leading backend and frontend development at Tenx.ai.

EXPERIENCE

Sr Node.js Developer · Tenx.ai

09/2022 – Present · Lahore, Pakistan

- Team lead for both the backend and frontend of the product, responsible for development across the stack.

Full Stack Developer · Upwork (Remote)

03/2022 – 09/2022 · Lahore, Pakistan

- Built full-stack web applications using the MERN stack for remote clients.
- Met with clients to discuss project details and tasks; managed project tasks using Jira.

Full Stack Web Developer · Pikessoft

09/2018 – 04/2022 · Lahore, Pakistan

- Designed and developed UI elements while building server and database functionality to meet both technical and consumer needs.
- Designed database architecture and server architecture for client projects.
- Deployed and configured applications on AWS EC2, and built serverless Lambda functions.
- Implemented face matching with AWS Rekognition, alongside face-api.js and Python TensorFlow.
- Ran client meetings to scope project tasks, and managed developers — helping resolve their development issues.

SKILLS

Backend

Node.js · NestJS · Microservices

Frontend

React.js · Redux · Redux Saga · Micro Frontends

Cloud & Infrastructure

AWS · Serverless · Lambda · EC2 · AWS
Rekognition

Databases

PostgreSQL · MongoDB

Languages

JavaScript

SELECTED PROJECTS

VetSnap

08/2023 – Present

DEA-compliant controlled-drug log platform for veterinary practices, with real-time inventory tracking. Current project at Tenx.ai.

Korio

08/2022 – 08/2023

Compliance-centric IRT platform for clinical trials. Team lead across backend and frontend; microservices and micro frontends.

Truepartner

08/2019 – 11/2020

Prospect-news platform for sales teams. Database design, APIs, and Salesforce / Google Sheets integrations.

Alamana Patient App

03/2021 – 03/2022

Lead backend engineer. Application architecture and third-party video calling between patients and doctors.

Keyki

10/2021 – 04/2022

Secure REST APIs and serverless Lambda functions chunking video for storage and cloud upload.

Attendance Management

11/2020 – 02/2021

Face authentication and matching with JavaScript face APIs and AWS Rekognition.

NozzleIQ

In development

Fuel station management platform — stations, shifts, inventory, credit ledger, payroll, and reporting. NestJS, PostgreSQL, Next.js, React Native.

EDUCATION

BS (Hons) Information Technology

University of Education Township Lahore
09/2014 – 09/2018 · Lahore, Pakistan