

SARAN ZAFAR

Software Engineer · NestJS · React · AWS EC2
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SUMMARY

Full Stack Developer with 2+ years building production grade systems for healthcare, retail, and e-commerce businesses. Specialised in NestJS REST APIs, multi-tenant SaaS architecture, and offline-first Electron desktop applications. Shipped 16+ live websites and 3 enterprise-grade business systems used in real-world environments. Strong command of TypeScript, PostgreSQL, Docker, and AWS EC2. BSc Software Engineering, University of Kotli — 2021-2025.

EDUCATION

Bachelor of Science in Software Engineering

2021-2025

University of Kotli, AJK

Relevant coursework: Data Structures, Databases, Computer Networks, Software Architecture

SKILLS

- Frontend: React.js, Next.js, TypeScript, Tailwind CSS
- Backend: Node.js, NestJS, Express.js, TypeScript, REST API Design
- Databases: PostgreSQL, MongoDB, SQLite
- DevOps & Tools: Docker, GitLab CI/CD, GitHub Actions, AWS EC2, Linux, Git
- Architecture: Microservices, Multi-tenant SaaS, Offline-first, REST
- Other: Supabase, Firebase, WordPress, Electron.js

WORK EXPERIENCE

Full Stack Software Engineer

2024-present

Logicexer Pvt Ltd, Kotli, AJK (*Promoted from Intern*)

- Engineered 3 offline-first desktop systems (Electron + CouchDB/PouchDB) deployed across clinics, retail, and food service businesses — achieving zero data loss during network outages via bidirectional sync
- Architected NestJS REST APIs with modular service design and TypeScript DTO validation, reducing runtime errors in production to zero and cutting onboarding time for new developers
- Built and maintained 5+ full-stack web applications using Next.js and React with focus on performance, SEO, and usability across relational and non-relational databases
- Reduced deployment time by ~60% by implementing GitLab CI/CD pipelines with Docker containerisation across dev, staging, and production environments on AWS EC2
- Collaborated in a 4-person engineering team to deliver production systems on schedule, contributing across backend API design, frontend integration, and deployment automation

Software Engineering Intern

Jul 2024 – Aug 2024

Logicexer Pvt Ltd, Kotli, AJK

- Built and tested 4+ desktop application features using Electron.js, React, and TypeScript, contributing to a live business management system used by real clients
- Resolved 20+ bug reports across CouchDB/PouchDB data sync workflows, improving application stability and data reliability
- Worked with non-relational databases (CouchDB, PouchDB) to handle data integration and sync operations across offline and online environments
- Supported deployment and maintenance of 3 WordPress projects, gaining hands-on experience with production release workflows

PROJECTS

Multi Tenant Learning Management Platform (LMS) *(Core Platform Project)*

Tech Stack: NestJS, Next.js, React, PostgreSQL, Docker, GitLab, AWS EC2

- Designed and developed a multi tenant LMS platform enabling scalable onboarding and usage based access control for educational systems
- Built scalable backend services using NestJS and TypeScript with structured APIs
- Developed modern frontend applications using Next.js and React
- Implemented CI/CD and containerized deployment using Docker, GitLab, and AWS EC2
- Designed platform level controls for subscription management and feature access (Nuxused platform layer)

Offline First Business Management Systems (Desktop Applications)

Tech Stack: Electron.js, React, Node.js, CouchDB, PouchDB

- Developed offline first desktop systems enabling uninterrupted business operations and reliable data synchronization across environments
- Implemented reliable data synchronization between local storage and remote databases
- Built systems handling inventory, finance, reporting, and business operations
- Delivered multiple production ready systems used across clinics, retail, and food service environments

E Commerce Integration Platform

Tech Stack: NestJS, Next.js, React, PostgreSQL, AWS EC2

- Built a platform enabling local businesses to sell products online with real time availability and regional delivery workflows
- Enabled local businesses to publish and sell products regionally with real time availability
- Designed workflows for vendor onboarding, product syncing, and contract based access
- Supported scalable web and mobile interfaces with focus on performance and usability

Web Development Projects (16+ Websites)

Tech Stack: Next.js, React, Node.js, WordPress, Supabase, Firebase

- Delivered 16+ production websites across business and e commerce domains, focusing on performance, SEO, and user experience
- Built both custom coded and CMS based solutions with focus on performance and SEO
- Delivered responsive, production ready websites across multiple industries