

MUHAMMAD ZARIYAN ASIF

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years of experience building scalable, high-performance web applications across healthcare, biotech, public sector, and digital signage domains. Delivered up to 90% performance improvements and led cross-functional teams to ship production-grade products on time,

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Material UI, D3.js, Redux Toolkit, Capacitor.js

Backend & Data: Node.js, REST APIs, SOAP Web Services, MySQL

Tools & Platforms: Git, Figma, Siebel CRM, Oracle BI Publisher, Power BI

PROFESSIONAL EXPERIENCE

Software Engineer | TenX Private Limited | Lahore

Jan 2026 – Present

Project: Ancera

- Built 15+ scalable, reusable UI components using React.js and the Ancera Design Library, reducing component duplication by ~40% across the codebase.
- Developed interactive data visualizations with D3.js, improving data comprehension for end-users across 5 key dashboard modules.
- Achieved 90%+ unit test coverage on new features, significantly reducing regression defects in production releases.
- Resolved 20+ critical UI/UX bugs that improved application stability scores and reduced user-reported issues by ~30%.

Senior Software Engineer | Technoid LLC | Lahore

Apr 2024 – Dec 2025

Projects: Digital Signage, TicketAttendent, Edubee

- Improved application load time and runtime performance by up to 90% through code-splitting, lazy loading, and React rendering optimizations.
- Architected and integrated 10+ RESTful APIs with Node.js, enabling seamless backend-frontend communication.
- Deployed web applications to Android and iOS via Capacitor.js, expanding product reach to 2 additional mobile platforms with zero native code changes.
- Delivered pixel-perfect, cross-browser-compatible UIs from Figma specs.
- Led client-facing feature design sessions, translating requirements into production-ready features for enterprise clients.

Software Engineer | Atlas Crisis Management Systems | Abu Dhabi

Mar 2023 – Mar 2024

Project: Emirates Health System

- Developed responsive React.js UIs for 8+ core application pages covering patient management workflows for a government healthcare system.
- Built Power BI dashboards to visualize 10+ KPIs for clinical operations, enabling data-driven decision-making for stakeholders.
- Led User Acceptance Testing (UAT) coordinating between a dev team and client, achieving on-time sign-off for all milestones.

Software Consultant | Speridian Technologies | Lahore

Sep 2019 – Feb 2023

Project: Community Development Authority (Dubai)

- Led a team of 5 developers, ensuring smooth progress across all sprints with a 100% on-time delivery.
- Engineered 12+ inbound and outbound SOAP web services integrating external entities including Mendix, Dubai Courts, and AMAF.
- Designed and generated 20+ custom Oracle BI Publisher and MySQL reports tailored to client regulatory and operational requirements.
- Configured Siebel CRM components supporting case management workflows for a government authority serving 50,000+ residents.

EDUCATION

Bachelor of Science in Information Technology

Sep 2015 – Jun 2019

University of the Punjab (PUCIT), Lahore

ACHIEVEMENTS

- Employee of the Month — Speridian Technologies (recognized for exceptional delivery on the Community Development Authority project).
- Principal's List — University of the Punjab (PUCIT) | Second Position Holder — Forman Christian College.