

Objective

Senior Full-Stack Software Engineer specializing in building scalable, high-performance web and mobile applications. With expertise in TypeScript, Next.js, Nest JS, React Native, Flutter, and Node.js, I excel at creating end-to-end solutions across platforms. I have led and contributed to AI-driven development projects by integrating intelligent automation, AI-assisted coding workflows, smart debugging tools, and optimized CI/CD pipelines to accelerate development and enhance product quality. My work has powered systems that streamlined operations, improved engineering efficiency, and supported large-scale user growth in fast-moving industries.

Skills

- **AI Tools:** AI Assisted Documentation, AI Driven Development, Prompt Engineering
- **Cloud & DevOps:** AWS, AWS Lambda, AWS S3, Cognito, EC2, ECS, Firebase, RDS
- **Databases:** MongoDB, PostgreSQL, Prisma, TypeORM
- **Frameworks & Libraries:** Bootstrap 5, ExpressJs, Material UI, Nest.js, Next.js, Nodejs, PubNub, React, React Query, React-Native, Redux, Redux Toolkit, Tailwind CSS, Zenstack, i18-Next (Internationalization)
- **Payments Gateway:** Plaid, Stripe
- **Programming Languages:** JavaScript, Typescript, Flutter
- **Tools & Methodologies:** BitBucket, Git, GitHub, TDD

Work Experience

Senior Software Engineer | Mavric | Lahore

Jun 2019 -Present

As a Senior Software Engineer, I led architecture design and managed complex database systems, delivering scalable and high-performance solutions. I introduced AI-driven development practices such as intelligent code assistants, automated documentation generation, advanced debugging tools, and smart CI/CD optimizations to streamline development workflows and improve delivery speed. I guided the team with a strong focus on collaboration and innovation, enabling engineers to leverage AI-enhanced development environments for greater accuracy and efficiency. This role strengthened my ability to balance technical excellence with effective team leadership, data-driven decision-making, and a forward-looking approach to modern software engineering.

Projects:

GrantX – AI-Powered Grant Discovery Platform

Description: GrantX helps researchers discover and secure funding opportunities by using AI-driven matching and streamlined workflows. The platform simplifies grant discovery, application tracking, and management, transforming the way researchers connect with funding sources.

Technologies: Next.js (App Router), Supabase, Prisma, Zod, Shadcn UI, SSO, Context API, Tailwind CSS, TypeScript, PostgreSQL, Vercel ,

Role: Lead the Mavric team and successfully delivered the platform.

Project Link: <https://app.grantx.com>

Sikila® – Personalized Sickle Cell Companion App

Description: Sikila® is an AI-driven health support application designed to help individuals with sickle cell disease track symptoms, manage medication and hydration, connect with community support, and navigate daily care and crises. The platform leverages intelligent automation to provide personalized reminders, smart insights, and streamlined care management, enhancing both user experience and overall well-being.

Technologies: Flutter, Material & Cupertino UI, Provider, MVVM, NestJS, TypeORM, PostgreSQL, AWS Lambda (Serverless), Firebase, REST APIs

Role: Led the development team and successfully delivered the MVP. (Apps currently available on TestFlight)

Project Link: <https://www.sikila.com>

Echodrop

A platform dedicated to promoting talented artists by showcasing their music, providing exposure, and seamlessly publishing their songs on Spotify for global audiences. Empowering musicians to reach new heights and connect with listeners worldwide

Technologies: Next js (App Router) , Next-Auth , React-Admin, React-Query, Nest js , Material UI , Prisma , Zenstack, Postgres, PubNub, PostHog, github actions, ec2.

Linus Analytics

A multi-tenant cloud-based system for metal scrap collection integrates IoT weighing machines to capture real-time weight data, generate receipts, and manage transactions securely. Tenants can access analytics, manage customers, and process payments through a scalable, cloud based platform.

Technologies: Next JS (App Router) ,Next-Auth ,React-Query, Material UI , Formik , Nest JS , Typescript, AWS Cognito, Mail jet , TypeORM PostgreSQL, IoT, MQTT.

Sparehub

Online platform for automobile spare parts dealing with stores of sellers and admin dashboard E-commerce store for B2C. Bilingual and RTL support in case of Arabic.

Technologies: Next JS (Page Router), Redux-toolkit, Material UI v5, React-Router-Dom v6 , i18next, Aws-Cognito, Nest JS, Typeorm, PostgreSQL

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 , Get Stream Chat API.

<https://my.welfie.com>

<https://www.welfie.com/>

SIGNA-CAPTURE

Capture the signature for online Convocations and Memories

Technologies: React JS , Material UI , React strap , SCSS , Node JS, Express , PostgreSQL , Typeorm , AWS S3 , AWS Lambda Functions.

GET A JOB

To hire the best Talent

Technologies: React Native , Node JS , Express , MongoDB ,Typescript , Firebase Notifications.

VOLLY MUSIC

Music Application with Apple Music & Spotify Integration.

Technologies: React Native

Education

Software Engineering - PUCIT

2019