

Shaharyar Babar

Rawalpindi, Pakistan | shaharyarbabar@outlook.com | [linkedin.com/in/shaharyar-babar-77276782](https://www.linkedin.com/in/shaharyar-babar-77276782) | github.com/sbabar19 | shaharyarbabar.dev

Summary

Full-stack software engineer with 8+ years of experience building web applications and internal systems across logistics, geospatial, and business operations. Worked extensively with Next.js, React, TypeScript, Fastify, Python, and PostgreSQL, covering everything from frontend development to backend APIs and deployment. Built products such as logistics platforms, operational dashboards, and workflow tools, with a focus on practical solutions, maintainable code, and systems that support day to day business needs.

Skills

- AI / LLM Integration, QGIS Development, AWS (S3, EC2, RDS, Lambda, SQS, SNS), PostgreSQL, PostGIS, Next.js, React, TypeScript, Python, JavaScript, Django, PyQGIS, Node.js, Stripe, Heroku, Redis, Kafka, Expo, Electron, Leaflet, Figma, Sentry, Posthog, Vercel AI SDK, Better-Auth, Web GIS, PyQt, Vue.js, Spatial Analysis, Elasticsearch

Experience

Rosor Exploration | *GIS Developer*

Jul 2026 - Present

- Designing, developing, and maintaining QGIS plugins tailored to the needs of both technical and non-technical teams.

Gneffin | *Software Engineer*

Aug 2021 - Sep 2026

- Worked on Compose Lens, a privacy-first native macOS screenshot app built with SwiftUI. It includes annotation, OCR, table recognition, multiple export formats, and on-device Apple Intelligence, with no captures uploaded to external servers. Currently under App Store review.
- Built Compose, an offline-first macOS writing app using Electron, React, and TypeScript. Originally a web app, it now includes rich document editing, project organization, iCloud sync, and private on-device AI for transcription and meeting summaries.
- Developed MarketPlusAI, a seller operations platform using Vue.js and Django for Amazon sellers, enabling order visibility, inventory monitoring, low-stock alerts, sales analytics, product advertising, and a fully customizable reward-campaign system with automated order validation, branded surveys, and incentive distribution.
- Engineered Logistiic, a logistics platform using Next.js for the China/Taiwan seller ecosystem, integrating multi-carrier shipment quotations for Amazon FBA and custom destinations, product workflows, real-time tracking, and secure payments through Stripe, reducing quotation turnaround from 2-3 days to near real time.
- Developed an end-to-end AI media processing pipeline for YouTube videos, automating subtitle generation, translation, and keyword extraction to convert video content into interactive multilingual learning material.
- Built an internal ad tracking platform using Next.js to monitor lead generation, conversion stages, sales, revenue, and commissions, providing full visibility into campaign performance and sales outcomes.
- Designed an internal finance operations platform using Next.js to manage transactions, loans, expenses, and revenue, with AI-powered receipt import and automated financial data extraction.

Magma Systems | *Geospatial Engineer*

Jul 2020 - Nov 2020

- Built a QGIS plugin for semi-automated digitization of U.S. zoning maps using computer vision, reducing digitization time by 70%.
- Implemented a QA/QC pipeline for spatial data validation with automated error detection, improving consistency and reducing manual review effort.

TPL Maps | *GIS Analyst*

Oct 2017 - Nov 2019

- Led the data development team in optimizing spatial data production workflows and improving operational efficiency.
- Designed and developed an Error Tracking System as a QGIS plugin for issue tracking and assignment management, reducing data quality issues and improving resolution speed by 73%.
- Built an Audit System, a Python-based desktop application for monitoring and validating spatial data changes to support compliance and quality control.
- Developed the Street Vision Platform as a QGIS plugin, increasing digitization efficiency by 60% through GPS integration, video analysis, and machine learning-assisted feature suggestions.
- Led development of an internal Django web application for inventory management and team performance tracking, enabling better operational visibility for management.
- Managed internal QGIS plugin repositories and oversaw deployment of web applications and REST APIs, ensuring reliable delivery, version control, and smooth internal adoption.

Education

National University of Sciences and Technology (NUST)

Master's, GIS and Remote Sensing

Islamabad, Pakistan

Institute of Space Technology (IST)

Bachelor's Degree, Space Science

Islamabad, Pakistan