

# Muhammad Shahbaz

## Full Stack Engineer — Real-time & Data-Intensive Web Applications

Rawalpindi, Pakistan | +92 342 5503621 | shahbazmuhammad135@gmail.com | [LinkedIn](#) | [GitHub](#)

### SUMMARY

---

Full Stack Engineer with 5+ years building and scaling web applications for enterprise, government, and international clients. Specialized in real-time systems, geospatial tracking, and data-heavy dashboards using Angular, React, Node.js, and TypeScript. Proven record of optimizing performance (up to 80%), implementing secure role-based systems, and delivering production software in Agile teams across multiple time zones.

### TECHNICAL SKILLS

---

**Frontend:** Angular, React, TypeScript, JavaScript (ES6+), HTML5, CSS3, Bootstrap

**Backend:** Node.js, Express.js, REST APIs, Socket.io (real-time)

**Databases:** PostgreSQL, MySQL, MS SQL, MongoDB, SQLite

**Data & Visualization:** Power BI, AM4Charts, Google Maps APIs

**DevOps & Tools:** Git (GitLab/Bitbucket), Docker, AWS, CI/CD, Jira, Trello, Agile/Scrum

**Other:** RBAC & secure workflows, Firebase (Auth/Storage/FCM), ElectronJS, Ionic, Payments (Stripe)

### PROFESSIONAL EXPERIENCE

---

#### Application Designer / Full Stack Developer — LMKR *Islamabad, Pakistan · May 2022 – Present*

- Built a logistics marketplace supporting load posting, bidding, and **real-time fleet tracking** via **Google Maps APIs** — powering **800,000+** shipments, **5M+ tons** of freight moved, and **500M+ km** of tracked travel.
- Developed a management portal with role-based access control (**RBAC**) and fleet/team management modules.
- Contributed to a real estate platform with property listings, advanced search, and map-based visualization.
- Implemented secure property-transfer workflows for the PLRA government system, enforcing access control and auditability.

**Tech:** Angular, Node.js, Express.js, TypeScript, PostgreSQL, MySQL, MS SQL, Google Maps API, Power BI

#### Frontend Developer — New Effect *London, UK (Remote, Part-time) · Aug 2023 – Present*

- Designed and built core forecasting modules in Angular + TypeScript for a financial planning platform.
- Engineered and optimized complex calculation engines, improving performance by **80%** and reducing forecasting errors through stronger validation and edge-case handling.
- Optimized large-scale Angular app performance using **lazy loading**, **Web Workers (offloading heavy calculations off the main thread)**, **virtual scrolling**, **trackBy**, and client-side **caching** — keeping the UI responsive on data-intensive views.
- Built interactive analytical dashboards using AM4Charts.

**Tech:** Angular, TypeScript, AM4Charts, Bootstrap

#### Full Stack Developer — TeleTaleem *Islamabad, Pakistan · Sep 2021 – May 2022*

- Contributed to a KPK Government tax-revenue collection system, improving collection workflows.
- Implemented RBAC, Firebase Storage, and Firebase Cloud Messaging for real-time notifications.
- Developed an offline-capable desktop application with ElectronJS + SQLite3.

**Tech:** Angular, Node.js, Firebase, ElectronJS, SQLite3

#### Full Stack / MEAN Developer — New Vision Technologies & Abacus Multimedia *Pakistan · 2019 – 2021*

- Converted static UIs into dynamic Angular applications and built supporting Node.js REST APIs with SQL/NoSQL databases.
- Built cross-platform mobile apps with Ionic and integrated Stripe, PayPal, and Braintree payments.
- Implemented real-time features (Socket.io) and map integrations using modern tooling (Git, Docker, AWS).

**Tech:** Angular, Node.js, MongoDB, MySQL, HTML, CSS

### EDUCATION

---

**BS Software Engineering** — National University of Modern Languages (NUML), Islamabad · 2016 – 2020