

# MUHAMMAD TAYYAB SAEED

 +92 315 4458232

 tayyab.saeed534@gmail.com

 /muhammad-tayyab-saeed

 /tayyab-saeed



Software Engineer specializing in JavaScript/TypeScript, building production-grade web and mobile apps with React, React Native, Next.js, and Expo. Focused on scalable application architecture, smooth and responsive UX, and reliable API/analytics integrations, while collaborating closely with product, design, QA, and backend teams.

EDUCATION

**BSc Information Technology**, Punjab University College of Information Technology  
CGPA: 3.48/4.00

Oct 2019 - July 2023

## INDUSTRY EXPERIENCE

Bayut / Dubizzle Labs

### Software Engineer

Jun 2024 – Present  
UAE (Remote)

- Delivered 30+ production features as a core React Native engineer on **Profolio**'s upgrade from v2.0 to v3.0, spanning navigation refactors, onboarding flows, analytics widgets, and lead management enhancements
  - Built a BI-driven **Overview Page** with widgets for top locations/properties by leads and impressions, active property snapshots, agent responsiveness, and TruBroker badge progress, giving agencies a single source of truth for performance
  - Designed and shipped a first-time user onboarding sheet and flows that improved completion by around **40%**
  - Implemented portal-aware login and session logic for UAE and Egypt agents, centralising market-specific configuration and reducing auth-related issues across regions
  - Implemented **Bayut Leads** surfaces from Agency & Agent Profile to expose portal leads inside Profolio, increasing lead transparency by 20% and helping agents act on opportunities faster
  - Redesigned the **Lead Detail Page** with similar property suggestions and clearer CTAs, increasing in-screen engagement by 15% and improving cross-sell visibility
  - Shipped engagement features such as **ProAgent badge** surfacing Dubizzle portal recognition inside Profolio and global haptic feedback patterns that improved user experience sentiment
  - Added advanced property and lead filters, enabling faster segmentation by location, status, and activity so agents can prioritise high-intent leads more efficiently
  - Coordinated with Product, Design, Data, and QA teams to align backlog grooming, technical scoping, and release planning.
  - Proactively fixed dozens of bugs and regressions, improving UI responsiveness and stability across iOS and Android

Devsinc

#### **Associate Software Engineer**

Aug 2023 – May 2024  
*Lahore, PK*

- Delivered end-to-end frontend development of **Triangle Wallet**, a production React Native crypto wallet with real-time price tracking and dynamic data visualisation
  - Took full ownership of core app flows including landing, login, signup, price listings, buy/sell, price graphs, transaction history, and gift card screens
  - Integrated real-time cryptocurrency price APIs and built interactive 24-hour price charts, increasing session depth and encouraging users to explore asset trends
  - Improved performance and maintainability by refactoring screens into reusable components and tightening state management patterns
  - Worked in a Kanban-style services environment, delivering UI/UX refinements and mobile features from a continuous stream of client requests

## PROJECTS

---

### Professional Projects:

**Profolio:** A cross-platform real estate lead management app supporting 1,075+ agencies across UAE and Egypt, with 50K+ monthly users. ([App Store](#)) ([Play Store](#))

- Delivered major features including a redesigned navigation system and a new analytics-driven overview screen to improve usability and engagement
- Built interactive dashboards to track agent responsiveness, property performance, and achievement badges, giving agencies clearer performance insights
- **Skills:** Expo, React Native, TypeScript, Tanstack Query, Elastic Search, Firebase, Git, Xcode/Android Studio

**Triangle Wallet:** A crypto wallet for iOS/Android, offering real-time asset tracking, transactions, and interactive price analytics.

- Designed wallet flows including authentication, price listings, price graphs, and transaction history
- Integrated Fireblocks API for wallet operations and optimized UI components for responsiveness
- **Skills:** React Native, Express.js, Fireblocks API, Redux Toolkit, Xcode/Android Studio

### Hackathon & Research Projects:

**Airwatch:** NASA Space Apps 2025 MVP that visualises air-quality predictions from NASA TEMPO and ground-based data through a web dashboard ([airwatch.health](#))

- Built and designed the front-end in Next.js with Ant Design and Mapbox, including interactive maps, charts, and responsive layouts for viewing regional air-quality trends
- Integrated the UI with the team's FastAPI endpoints, wired API calls, handled loading/error states, and deployed on Vercel for scalability and CI/CD performance
- **Skills:** Next.js, ReactJS, Typescript, Mapbox, Ant Design, Vercel

**Nitrogen Estimation App:** Mobile app that operationalizes a computer-vision model for estimating nitrogen in plant leaves to support smallholder farmers

- Led front-end development and UX design, creating guided capture flows, audio prompts, and localized UI so low-literacy users can follow the process confidently
- Designed nitrogen data visualizations and recommendations that help farmers interpret model outputs and choose appropriate fertiliser actions
- **Skills:** Expo, React Native, Mobile UX design, prototyping, localization, usability-focused development

## TECHNICAL SKILLS

---

<b>Programming Languages</b>	TypeScript, JavaScript, Python, Java, C++
<b>Frameworks</b>	Expo, React Native, ReactJS, Next.js, Express.js, Node.js, Swift/UIKit
<b>Tools &amp; Libraries</b>	Tanstack Query, React Hook Form, RTK, RNE
<b>Databases</b>	Firebase, MongoDB, MySQL
<b>CI/CD &amp; Deployments</b>	Expo EAS, Vercel, App Store & Play Store release workflows
<b>IDEs / Tools</b>	VS Code, Cursor, Xcode, Android Studio

## CERTIFICATIONS

---

**International English Language Testing System (IELTS)**

Sep 2025

Overall Band: **7.5** (CEFR C1 - Advanced)

## TEACHING/VOLUNTEER EXPERIENCE

---

- **Research volunteer** on the **Nitrogen Estimation App** with Dr. Muhammad Hassan Khan, turning a computer-vision model into a farmer-facing mobile app and leading UX, flows, and localisation

- **Section Leader Mentor** for Stanford's **Code in Place 2025**, mentoring global learners in Python through weekly sessions and guiding them to complete final projects ([certificate](#))
- **Teaching Assistant** for ITC and DSA at **PUCIT**, delivering 100+ hours of labs, mentoring students, and helping evaluate assignments and projects in core CS courses

## INTERNATIONAL HACKATHONS & COMPETITIONS

---

- **NASA International Space Apps Challenge 2025:** Led a team of 4 to build *Airwatch*, an MVP web app visualising NASA TEMPO-based air-quality forecasts in real time ([certificate](#)) ([see here](#))
- **Hacktoberfest 2025:** Completed 6 merged pull requests across multiple open-source projects in October 2025, finishing in the first 10,000 contributors globally and earning the **Supercontributor** badge ([see here](#))
- **Harvard CS50x Puzzle Day 2025:** Won with a perfect 9/9 score, ranking among top global teams out of 12,700+ participants ([certificate](#))
- **MIT Informatics Tournament Spring 2025:** Placed 213<sup>th</sup> globally in Round 1, sharpening contest-style algorithmic problem solving under timed constraints ([see here](#))