

Ahmad Kaleem Bhatti

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Summary

Full-stack developer who has shipped systems end to end, from a centralized IoT admin portal in React and Node.js to a multi-portal welfare-services platform in Go and Flutter. Contributed three pull requests to a 2.6k-star open-source Android app, including two merged fixes and a caching approach a maintainer later adapted into a separate merged PR crediting the original work. Comfortable working across the stack, from REST APIs, relational databases to responsive frontends, and taking a feature from idea to shipped code without close supervision.

Technical Skills

Languages: Python, JavaScript, TypeScript, Go, PHP, SQL

Frontend: React, Angular, Tailwind CSS, HTML

Backend: FastAPI, Node.js/Express.js, REST API

Databases: PostgreSQL, MySQL, MongoDB, Firebase, Supabase, Redis

Dev Tools and Testing: Git, GitHub, GitHub Actions, Docker, PyTest

Open Source Contributions

google-timeline-visualizer

External Contributor, 2.6k stars, MIT License

- Fixed a bug in which the dismissed video-export notifications stayed in the Android system tray, shipped in the production release v2.2.13.
- Added MP4 title metadata using Android Media3, verified with 36 automated tests across build variants and manual checks, merged after maintainer review.
- Investigated a rendering slowdown on long trips, built and user-tested an experimental route-caching approach; a maintainer later adapted it into a separate merged PR, crediting me as co-author.

Experience

Demetronics (Private) Limited

Full Stack Engineer Intern

Aug – Sep 2026

Islamabad, Pakistan

- Built a centralized IoT Admin Portal API in Node.js and Express.js with a React frontend, migrating device commands from direct client-to-Firebase writes to a single access-controlled endpoint using Firebase Custom Claims-based Role-Based Access Control.
- Routed the Flutter mobile app's device commands through the same centralized API instead of direct device writes, with a local-IP fallback for offline control, and built an Admin audit-log viewer in React for the web portal.
- Audited the legacy codebase, found exposed database credentials and JWT secrets committed to environment files, then rotated credentials, and secured environment-variable management.

Kaar-e-Kamal Welfare Foundation

Application Developer Intern (Full-Stack)

Jul – Aug 2026

Islamabad, Pakistan | Hybrid

- Led a 3-person team building a welfare-services platform with Go backend, Flutter front-end, and PostgreSQL database from a one-week solo MVP through to a production build, authoring 90% of the codebase's code.
- Designed the REST API and backend data layer, including concurrency-safe eligibility checks via PostgreSQL advisory locks and an idempotent case-submission endpoint backed by Redis.
- Built a case-scoring engine with server-side input validation and enforced Row-Level Security across all database tables.
- Built an offline-first sync engine in Flutter for field workers to submit verifications without connectivity, deployed the backend via Railway CI/CD, and covered both with an automated Go and Flutter test suite.

Atif E-Commerce Services

Sales and Data Assistant, E-Commerce Automation

Feb – May 2026

Islamabad, Pakistan

- Built many Python and Pandas automation tools with a GUI for stock, pricing, and order tracking, cutting Amazon and eBay listing-update time by about 35%, and integrated an email classifier that improved support-handling speed by about 45%.

Projects

QEC Auto-Filler

Independent Project, Browser Extension

- Built a Chrome extension (Manifest V3) that auto-fills Air University's mandatory course-evaluation form, with configurable default answers and an autonomous mode that loops through every subject.
- Adopted by 1,000+ students within days of release, entirely through word of mouth, with no marketing.

Qualix

Founder

- Founded and built Qualix, a full-stack AI sales platform for real estate brokers, with a React, TypeScript, and Tailwind CSS frontend and a FastAPI, PostgreSQL, and Redis backend, deployed via Docker and GitHub Actions CI/CD.

Leadership and Activities

Air University Computing and Innovation Society (AUCIS)

Nov 2024 – Present

Lead Developer

Islamabad, Pakistan

- Promoted from Developer to Senior Lead Developer within the university's computing and innovation society.

Education

Air University

Sep 2024 – Sep 2028

Bachelor of Science in Computer Science

Islamabad, Pakistan

Certifications

- Fundamentals of Generative AI, Microsoft Learn
- Object-Oriented Data Structures in C++, University of Illinois, Coursera
- CS50x, Introduction to Programming with Python, Harvard, edX