

Waseem Sabir

Senior Software Engineer · Backend & Full Stack (Python, TypeScript, Kotlin)
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EXPERIENCE

- Tajir (YC W20)** | *B2B distribution platform serving 100K+ stores* Lahore, PK
Senior Software Engineer *December 2023 – Present*
- Tech lead for a team of 4 engineers building Tajir's order-to-delivery platform (Python, React/TypeScript, Kotlin Android), serving 30K+ daily active retailers and processing 10K+ orders a day
 - Took delivery from 6 to 7 days a week, rebuilding shift planning, vehicle assignment, and dispatch to support it; Sundays now carry 14% of weekly orders with no loss in weekday volume
 - Led the year-long program that cut delivery cost from 4.5% to 3.1% of GMV, spanning zone-based routing, parking-spot allocation, and a vehicle bin-packing rewrite recovering roughly 12% of fleet capacity
 - Automated brand labeling across an 18K+ SKU catalog with an LLM pipeline, from prototype to production
 - Rebuilt the retailer app in Flutter in 3 weeks using agentic coding workflows, shipping Tajir's first iOS app
- Software Engineer* *June 2022 – December 2023*
- Built fleet GPS tracking and route optimization, cutting fuel spend about 15% and lifting delivery acceptance 6%
 - Automated Tajir's vendor payments, integrating QuickBooks and building withholding-tax and clearance handling
- Elevate Security** | *human risk management platform, acquired by Mimecast* Remote, US
Software Engineer *September 2021 – May 2022*
- Cut p95 API response times 30% by adding Redis caching and rebuilding the platform's legacy data pipelines
 - Owned production support for enterprise customers, taking issues from first report to root-cause fix

OPEN SOURCE & RESEARCH

- PandasAI** (23K+ GitHub stars)
- Added Google Gemini and PaLM LLM integrations to an open-source AI data-analysis library
- BatteryPermissionHelper** (20K+ downloads)
- Created and maintain an Android (Kotlin) library that stops apps from being killed by OEM battery managers
- SoK: A Tale of Reduction, Security, and Correctness** *ESORICS 2023 · Springer LNCS*
- Built DebloatBench, a benchmark for C/C++ debloating tools, with SRI International and Georgia Tech

PROJECTS

- Talkio Now** (4.8/5 on the App Store)
- Shipped an AI iOS app (React Native, Python) that turns short-form videos into interactive language lessons
- SafeHerit**
- Built a zero-knowledge estate-planning vault (Angular, Node.js, Firebase); keys never leave the user's device
- Manage My Dojo**
- Created a React/Django SaaS that runs Stripe billing, attendance, and point-of-sale for martial-arts schools

EDUCATION

- Lahore University of Management Sciences (LUMS)** Lahore, PK
BS Computer Science *Graduated May 2022*
- Dean's Honour List | Teaching Assistant: Advanced Programming, Algorithms

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, Kotlin, Go, SQL, C/C++
Backend & APIs: FastAPI, Django, Flask, Node.js, GraphQL, Stripe, PostgreSQL, MongoDB, Redis
Frontend & Mobile: React, React Native, Angular, Flutter, Android (Jetpack Compose)
Infrastructure: Docker, Kubernetes, GCP, AWS, Firebase, Terraform, GitHub Actions
AI/LLM: LLM integrations (Gemini, PaLM), production LLM pipelines, agentic coding (Claude Code, Cursor)

AWARDS

- Winner, IEEE & Stacks Hackathon:** 1st of 75 teams | Implemented a marketplace on a custom blockchain *2021*