ARSALAN ARSHAD

Senior Full Stack Engineer | Forward-Deployed Engineer
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SUMMARY

Full-stack and forward-deployed engineer with 8+ years shipping mobile, web and cloud products for startups and global clients. Top Rated on Toptal, with a 5.0 rating across 49 Fiverr reviews and 3 Clutch reviews. Takes work from an empty repository to a live production release, including a Shopify App Store app, IoT telemetry platforms and automated CI/CD. Uses Claude Code and Cursor to move faster while keeping business-critical calculations in deterministic, testable code.

EXPERIENCE

Contract Full Stack Developer, US-based sustainable infrastructure company (client under NDA), remote | Apr 2025 - Aug 2026
- Delivered React and Vite IoT dashboards that monitor HVAC telemetry and run automated control cycles.
- Built Azure IoT Hub and Functions services that ingest high-frequency sensor telemetry.
- Designed GIS interfaces with custom raster layers and live sensor overlays to track infrastructure assets.
- Shipped a drag-and-drop digital twin configurator for electrical panels, with role-based permissions, server-side validation that blocks unsafe configurations, and a full change-history log.
- Automated build, test and deploy to Azure with GitHub Actions, keeping credentials in Azure Key Vault.
- Wrote Python ETL scripts that validate sensor payload schemas and flag duplicate, out-of-order and anomalous readings.

Full Stack Engineer, Toptal (concurrent, remote) | Jul 2026 - Present
- Deliver full-stack client engagements as a Top Rated Toptal engineer in React Native, React, Next.js, Node, Shopify and Salesforce.
- Ship client features faster with Claude Code and Cursor while keeping business logic in deterministic, tested code.

Senior Software Engineer, Ketene IT Services | Feb 2024 - Feb 2025
- Automated App Store and Google Play releases for iOS and Android through Fastlane CI/CD pipelines.
- Owned the mobile release lifecycle across production deployments.
- Delivered cloud-native backend services and databases on AWS, Firebase and Azure.

Lead Full Stack Developer, BookSport | Apr 2023 - Aug 2023
- Led the iOS, Android and web platform rebuild on a new architecture, shipping every platform through CI/CD.

Full Stack Mobile Developer, Hoome | Mar 2022 - Dec 2022
- Shipped cross-platform React Native augmented reality apps with automated App Store and Google Play releases and Firebase backends.

Lead Mobile Developer, RPL University | Aug 2021 - Feb 2022
- Led a React Native mentorship platform for iOS and Android with video calls and real-time chat, using session-based tokens so only authorised participants enter specific calls and rooms.

Lead Full Stack Developer, WayWiser | Oct 2020 - Jul 2021
- Led mobile and web development for a social platform, delivering notifications, blog, chat and calendar booking on Node.js and Express.

Freelance Software Engineer, Fiverr and Upwork | Nov 2019 - Present
- Deliver long-running client engagements for global clients, holding a 5.0 rating across 49 Fiverr reviews and 5.0 across 3 Clutch reviews; one client reported a $300,000 VC raise after the app built for them launched.

Android Developer, Ingenious.pk | May 2018 - Dec 2018
- Built native Android apps in Java, Kotlin and XML, contributing to code review and API design in an agile team.

SKILLS

Languages: TypeScript, JavaScript, Python, Java, Kotlin
Mobile: React Native, Expo, Flutter, iOS, Android
Frontend: React, Next.js, Redux, Tailwind, GraphQL
Backend: Node.js, NestJS, Express, Laravel, MERN
Commerce: Shopify apps (Remix, Polaris, Admin GraphQL), Salesforce (LWC, Apex)
Cloud and DevOps: AWS, Azure, GCP, Firebase, Railway, GitHub Actions, Fastlane, Jenkins
Data: PostgreSQL, MongoDB, MySQL, SQLite
Security: OAuth 2.0, HMAC webhook verification, AES-256-GCM encryption, role-based access control, audit logging, schema validation
AI: Claude Code, Cursor, MCP servers, RAG pipelines, evaluation design
Open Source: shopify-inventory-mcp and urdu-business-nlu (MIT, published on npm and GitHub); Pathwise, smart-record-cloner, Bridge Recipes (MIT, github.com/arsalan-arshad)

PROJECTS

Agent Forecast (open source, live on the Shopify App Store)
- Forecasts inventory from real merchant sales data, computing reorder points, days of cover and stockout dates.
- Secures every install with OAuth, HMAC-verified webhooks, AES-256-GCM encrypted per-merchant credentials and Shopify's mandatory data-protection webhooks.
- Limits the AI assistant to explaining computed figures, so it never generates numbers.

Proposal Guard (open source, MIT)
- Flags scope creep in proposals and statements of work with deterministic rules for open-ended promises, approvals with no review window, unpaired third-party costs and unlimited revisions.
- Publishes its own false-positive and miss rates, making detection accuracy verifiable.
- Ships as a CLI and local MCP server; the web demo makes no network requests.

EDUCATION

Diploma in Software Engineering, APTECH Pakistan, 2015-2017
FreeCodeCamp certifications: JavaScript, Frontend, Backend, Data Structures and Algorithms