

# Aziz Uysal

## Senior Application Architect and Mobile Engineering Leader

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### SUMMARY

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Senior application architect and mobile engineering leader with 20+ years shipping enterprise software across mobile, web, and cloud. Deep hands-on expertise in native iOS (Swift, Objective-C, UIKit, SwiftUI), React Native, Kotlin Multiplatform, and .NET/C# — with extensive Azure and AWS. Built the mobile practice at PIMCO over a decade and led 10–20+ engineer organizations at Centene, Canopy Health, Levi's, McDonald's, and Citibank. Delivered consumer apps at significant scale and mission-critical internal platforms in healthcare and financial services.

### EXPERIENCE

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#### Founder / Co-founder · Multiple ventures

May 2025 – Present

Full-stack product work across healthcare, finance, and mobile — architecture, stack selection, shipping. Parallel ventures currently in-flight as founder or co-founder.

- Co-founding a healthcare platform — full architecture, code, and product ownership. Python/FastAPI backend, Next.js/React web, React Native mobile with real-time WebSocket dashboards, push, and biometric auth. PostgreSQL + Redis on Azure Container Apps.
- Founding an algorithmic trading platform — data-pipeline ingestion, strategy backtesting, and live execution against market-data feeds.
- Developing an e-invoicing product for the DACH region — regulatory-compliant document generation on Next.js + PostgreSQL.
- Shipping consumer mobile products in parallel across iOS and Android — React Native + Expo, full design, development, and release ownership from the founder seat.

#### Director, Mobile Architecture · Centene Corporation · Remote

Jan 2024 – May 2025

Directed architecture and delivery for the Ambetter Health and Medicare Health Portal mobile apps across multiple U.S. states, leading a 15-person onshore/offshore engineering team.

- Defined a modular React Native architecture with Node.js/Express services on AWS serverless infrastructure (Lambda, API Gateway, S3) for white-label state health plans.
- Designed a GraphQL orchestration layer with Apollo Server aggregating dozens of REST APIs, reducing per-screen API round-trips.
- Implemented OAuth 2.0 with Ping Identity (OIDC + SAML SSO) while maintaining HIPAA compliance for member health data.

#### Team Lead (Contract) · BJ's Wholesale Club · Remote

Mar 2024 – May 2024

- Led a 20-person mobile engineering team building BJ's Club's in-house React Native app from scratch to replace an outsourced Ionic/Capacitor solution.
- Audited the existing Ionic/Capacitor architecture — plugin coverage, native bridge performance, WebView limitations — and defined a phased React Native migration to feature parity.

#### Architect / Development Manager · Canopy Health · Remote

Jul 2021 – Dec 2023

Led the full re-platforming of My Canopy Health — React Native apps, React web portal, and an admin dashboard for a Bay Area healthcare network serving 500K+ members. Managed a 10-person development and QA organization.

- Migrated legacy services to Azure Function Apps with Cosmos DB; introduced infrastructure-as-code via ARM templates.
- Integrated Okta SSO/OIDC with custom OAuth flows aligned to HIPAA requirements for protecting PII and PHI.
- Authored a TypeScript bridge wrapping native iOS and Android SDKs for React Native; shipped without regressions.
- Integrated telehealth capabilities — live video and audio — across browser and mobile clients through third-party API and SDK orchestration.

#### Senior Mobile Architect · Levi Strauss & Co. · Remote (San Francisco, CA)

Oct 2021 – Sep 2022

Owned the architecture for Levi's global consumer app in React Native across North America, Europe, and Asia.

- Integrated Adyen payment SDKs, Adobe Target A/B testing, deep-link routing, and internationalization across locales.
- Migrated CI/CD to an in-house pipeline using Fastlane and GitHub Actions integrated with enterprise Git, Slack, and Jira workflows.

Mobile Lead / Senior Developer (Contract) · Remote

Feb 2021 – Jul 2022

HBO · Royal Caribbean · McDonald's · KFC

Parallel and sequential engagements with consumer-facing mobile teams — React Native, Swift, Objective-C. Shipped production fixes, new features, and architectural guidance across four global brands.

- HBO — architecture contributions and code for the next-generation React Native streaming app; managed an offshore team. Jest + Storybook for testing and component dev.
- Royal Caribbean — features, performance bottleneck analysis, and production fixes for the React Native app.
- McDonald's — native iOS and Android leadership for the global mobile ordering app; resolved critical Swift/Objective-C production crashes ahead of major launches; owned App Store submissions.
- KFC — authentication, CAPTCHA, and payment integrations for the global React Native app.

VP, Mobile Team Lead / Application Architect · PIMCO · Newport Beach, CA

Apr 2012 – Aug 2021

Built and led the mobile technology practice at one of the world's largest investment managers — reporting to the CTO, growing the team to 20+ people over a decade. Delivered a broad portfolio of internal mobile apps across the firm, plus PIMCO's consumer-facing App Store releases.

- Architected a blockchain-based mobile trading platform on Hyperledger Fabric, React Native, Node/TypeScript, Redis, and Kubernetes.
- Delivered a React Native + GraphQL workflow app replacing email-based trade approvals — turnaround dropped from hours to minutes.
- Created reusable iOS frameworks (Swift + Obj-C) for SSO, HTTP networking (async/await wrapper pre-Combine), data grids, and CoreData abstraction — adopted firm-wide.
- Built backend services in Node.js, GraphQL, .NET/C#, MS SQL Server, MongoDB, and Redis across the enterprise portfolio.
- Established the mobile team from the ground up — hiring, CI/CD, MobileIron MDM for 3,000+ employees, agile, Apple Enterprise admin.

VP, Mobile Team Lead · Citi Private Bank · New York, NY

Jan 2011 – Apr 2012

Led native iOS development for Citi Private Bank — designed and built the iPad client portal for high-net-worth clients.

- Implemented encrypted local storage, RSA two-factor authentication, and an asynchronous HTTP networking framework later reused across Citi mobile projects.
- Delivered a shareholder meeting app on a compressed timeline recognized at the C-suite level.

Software Architect · HSS Inc. (Maler Group) · New York, NY

Oct 2007 – Dec 2010

- Architected a real-time GPS tracking platform on .NET and SQL Server — became the company's flagship product, deployed at U.S. Investigative Services.
- Built an early mobile OASIS forms solution for healthcare with XML-driven rendering and a touch-first UI.

Senior Developer · Philips Medical Systems · New York, NY

May 2006 – Oct 2007

- Developed mobile field-service applications for Palm OS and Windows Mobile used daily by a large field-engineering workforce across the U.S. and Europe.
- Integrated with SAP for real-time inventory and scheduling — reduced average dispatch-to-resolution time.

## TECHNICAL SKILLS

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LANGUAGES	Swift, Objective-C, Kotlin, Java, JavaScript/TypeScript, Python, C#, Dart, Go
MOBILE	Native iOS (UIKit, SwiftUI, CoreData, CoreBluetooth), React Native (8+ yrs), Ionic/Capacitor/Cordova, Flutter, Kotlin Multiplatform, .NET MAUI
WEB	React, Next.js, Angular, Vue · Node.js, Express, GraphQL/Apollo, Django, Flask, Spring Boot, ASP.NET
CLOUD & DATA	AWS (Lambda, API Gateway, S3), Azure (Function Apps, Cosmos DB, Container Apps), Docker, Kubernetes, Terraform, GitHub Actions, Fastlane · PostgreSQL, MongoDB, MySQL, Redis, MS SQL Server, SQLite
ARCHITECTURE	Microservices, Serverless, REST/GraphQL API Design, Event-Driven, MVVM, Clean Architecture, Modular/White-Label
SECURITY	OIDC/OAuth 2.0, SAML, SSO, JWT, HIPAA Compliance, Okta, Ping Identity

## EDUCATION

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MBA · Nova Southeastern University, Fort Lauderdale, FL

BS · Istanbul University, Istanbul, Türkiye

## CERTIFICATIONS

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CFA Level I · CFA Institute

## OPEN SOURCE

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simtool · Terminal UI for managing iOS Simulators · Go · `brew install azizuysal/tap/simtool`

NetKit · Concise HTTP networking framework for iOS · Swift

wallet-kit · React Native wrapper for Apple Wallet and Google Wallet passes · TypeScript

AUPickerView · Embedded picker-view UITableViewCell component · Swift

dbn-cache · Download and cache historical market data from Databento · Python