

Aahil Alwani

Software Engineer

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Summary

A graduated individual passionate and skilled in developing mobile apps. A mobile app developer enthusiast with great problem solving and communication skills, looking for a platform to enhance and enrich my skillset that would allow me to contribute to the world in an impactful way.

Education

FAST - NUCES, MS in Computer Science	Aug 2025 – Present
Karachi Institute of Economics and Technology, BS in Computer Science	Aug 2020 – Jun 2024

Experience

Mobile App Developer, QuartzByte – Remote (Contract - Part Time)	March 2025 – September 2025
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- Created pixel-perfect mobile UI's using Gluestack UI and Tailwind CSS in React Native
- Implemented complex functionalities such as QR-Code Scan, Push Notifications, and Custom Map Integration
- Integrated backend APIs and ensured responsive performance using modern libraries and tools
- Reduced unnecessary re-renders, improving FPS by up to 50% and lowering CPU usage for better performance
- Migrated from FlatList to FlashList, boosting FPS by 54% and cutting CPU usage by 82% for smoother, more responsive UI
- Implemented payment gateway using Stripe, which enhanced smooth payment process.
- The app is live in the Playstore: <https://play.google.com/store/apps/details?id=com.psychopath.app>

Associate Software Engineer, Co-Ventech – Karachi, Pakistan	Sep 2024 – Present
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- Led the development of production-grade, client-facing web and mobile apps, enhancing responsiveness and optimizing UX through tight backend coupling
- Designed and developed backend APIs in Node.js, including OpenAI API integration, applying prompt engineering techniques to enhance response accuracy and system performance
- Built custom backend API in Node.js to handle user authentication, file and video uploads, and content moderation

React Native Developer Intern, Co-Ventech – Karachi, Pakistan	June 2024 – Aug 2024
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- Delivered high-performance mobile apps using React Native for key client products, focusing on scalable backend integration and UI consistency across devices
- Collaborated with designers and back-end engineers to deliver pixel-perfect React Native applications

Projects

Psychopath Mobile App	March 2025 – Sept 2025
Braketime Mobile App	July 2024 – August 2024
Caarlo Mobile App	June 2024 – July 2024
MemeHub Mobile App	Sep 2023 – June 2024

Skills

Languages: JavaScript, Typescript, Java, PostgreSQL, MySQL, HTML, CSS, TailwindCSS

Frameworks: React Native, ReactJS, NextJS, REST APIs, Stripe SDK, Redux, NodeJS, ExpressJS, FastifyJS

Tools: Git, GitHub, Android Studio, VS Code, Jira, Trello, AWS, Play Store

Deployment: AWS, Play Store