Wiktor Majchrzak

React Native / Mobile Engineer · iOS · Android · Web

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github.com/wmajchrzak2002

Available from January 2027 · Polish citizen, EU work rights · Open to remote or relocation

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SUMMARY

Mobile and full-stack engineer with 4 years of experience building React and React Native apps. For the last 2 years, sole developer of a production React Native / Expo app for iOS, Android, iPad and web, including custom native SwiftUI modules. Before that, 2 years building 4 full-stack React and Node.js systems for a US college campus, while also managing a 250+ device UniFi network and supporting AV systems. I work across the full stack, from native iOS code to Fastify, Prisma and PostgreSQL APIs, with hands-on Azure and Google Cloud experience.

EXPERIENCE

Software Developer (React Native / Full-stack) Dec 2024 – Dec 2026
Intra Managements · Baltimore, Maryland, USA

Sole developer of PCC Forms, the field operations and work order app for Precision Concrete Construction (PCC). Designed and built the whole system alone, from native iOS code to the backend and database.

- Built a cross-platform app (iOS, Android, iPad, web) with React Native, Expo Router and Tamagui, used by the whole company, about 200 people (field crews and office staff)
- Wrote custom native SwiftUI components as Expo modules (text fields, loading animations) and fixed native UIKit crashes in the bridge
- Designed an iPad split-view layout with resizable panels for working on work orders side by side
- Built a reusable virtualized data table (TanStack Table + Virtual) with infinite scroll and column resizing, used across work orders and equipment checklists
- Built multi-screen forms with TanStack Form and Zod, including validation and auto-focus on invalid fields
- Built backend APIs with Fastify, Prisma and PostgreSQL, including permission rules and JSONB search
- Added an app startup flow with connectivity checks and over-the-air updates, plus PDF printing on web
- Released the app through private App Store distribution with closed, company-only registration

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Software Developer, IT & AV Technician (on-campus role) Dec 2022 – Dec 2024
Greater Grace World Outreach (GGWO) · Baltimore, Maryland, USA

Built and ran 4 internal full-stack apps (React, Node.js/Express, MySQL, WebSockets) used by campus staff:

- **Digital signage system:** manage screens across campus, with drag-and-drop playlists, video processing (FFmpeg) and image optimization, role-based permissions and live updates over WebSockets
- **Security office app:** officers file incident reports with digital signatures, exported as PDFs; also manages access codes and contact lists
- **Desk phone manager:** checks which IP desk phones are online and pushes XML screen templates to selected phones across the campus network
- **Live broadcast app (Grace Hour):** real-time caller queue and shared script editor for a live program, with a separate studio TV view

- Set up and managed the campus UniFi network of 250+ devices, and supported audio/video systems for campus events

PROJECTS

Custom 2D game engine and mobile games

2018 – 2022

- Built my own 2D game engine in C++ with custom Vulkan, DirectX, OpenGL and Metal rendering backends, and used it to make 2 mobile games published on Google Play and the App Store
- Handled the full release process on both stores: builds, signing, store listings, review and updates

SKILLS

Mobile	React Native, Expo, Expo Router, Tamagui, Reanimated, Gesture Handler, over-the-air updates, App Store release
Native iOS	SwiftUI, Expo Modules Core (custom native modules), iPad split-view layouts, debugging UIKit crashes
Web & state	React, TypeScript, TanStack Query / Form / Table / Virtual / Store, Zod
Backend	Node.js, Fastify, Express, Prisma, PostgreSQL (incl. JSONB queries), MySQL, REST APIs, WebSockets, JWT auth
Cloud & network	Microsoft Azure, Google Cloud, UniFi networks
Graphics	C++, Vulkan, DirectX, OpenGL, Metal (custom 2D engine)
Other	Git, PDF generation and printing

EDUCATION

Maryland Bible College & Seminary 2022 – 2026
Baltimore, Maryland, USA · Biblical studies

Zespół Szkół nr 36 im. Marcina Kasprzaka (Technikum) 2018 – 2022
Warsaw, Poland · IT program: programming, networking, computer systems

LANGUAGES

Polish — native

English — professional working proficiency (4 years living and working in the US)

I agree to the processing of my personal data contained in this CV for the purpose of the recruitment process, in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 (GDPR).