

VŁ 7¢ °ubok

Product Engineer & System Architect

Bielsko-Bia & Â Â Â ÇVŁ 7¤ ·V&ö²æFPv | github.com/Lkubok | linkedin.com/in/lukaszukubok

PROFESSIONAL SUMMARY

Product Engineer with 8+ years specializing in high-throughput mobile applications and resilient edge/backend infrastructure. Core expertise bridging React Native/C++ JSI internals with distributed systems in Go and Node.js. Proven track record leading greenfield architecture, zero-drop telemetry pipelines, and shipping mission-critical client applications across healthcare, institutional fintech, and enterprise tooling.

PROFESSIONAL EXPERIENCE

Lead Mobile Engineer / Architect — VibeTrack Biometrics 2023-03 !' Present

Bielsko-Bia & Â Â ò &VÖ÷FR r †~v,Ög&W VVæ7' &~öÖWG ic companion app

- Architected offline-first React Native telemetry companion client streaming 60fps real-time ECG/HRV sensors via custom C++ JSI host objects and WatermelonDB/SQLite.
- Reduced p99 frame latency from 42ms to 14.2ms with zero thread-bridge drops; maintained 99.98% crash-free session rate across 450k+ active biometric monitoring devices.
- Mentored a cross-functional squad of 6 engineers; established automated end-to-end regression suites with Maestro and deterministic profiling pipelines.

Keywords: #react-native, #typescript, #shopify-skia, #c++-jsi, #watermelondb, #healthkit, #ble

Senior Staff Frontend Engineer — OmniDesk Global 2021-06 !' 2023-02

Warsaw, PL / Remote · Cloud telemetry and observability console

- Led web console rewrite to Next.js and Tailwind, boosting Core Web Vitals to 98+ and slashing initial bundle payload by 54%.
- Implemented real-time telemetry stream ingestion rendering 40,000 events/sec using canvas-based virtualization and WebSocket buffer multiplexing.
- Authored company-wide headless design system library adopted across 4 internal engineering teams and public customer dashboards.

Keywords: #nextjs, #typescript, #tailwind, #websockets, #clickhouse, #canvas, #perf

Mobile Software Engineer — Apex FinTech Labs 2019-01 !' 2021-05

London, UK / Remote · Crypto-fiat POS terminal & institutional custody

- Delivered high-assurance point-of-sale terminal client executing offline NFC EMV card emulation on hardened Android hardware.
- Integrated hardware-backed MPC cryptographic key verification with Android Keystore and iOS Secure Enclave.
- Automated end-to-end CI/CD fastlane pipelines, reducing enterprise store release verification cycles from 4 hours to 18 minutes.

Keywords: #react-native, #android, #nfc, #turbomodules, #security, #fastlane

Full-Stack Developer — CodeForge Studio 2017-09 !' 2018-12

Kraków, PL · Web applications & microservice integrations

- Developed modular React single-page interfaces and RESTful Node.js APIs for enterprise logistics and B2B clients.
- Introduced containerized local Docker environments and Redis caching tiers, decreasing peak server response times by 40%.

Keywords: #react, #nodejs, #postgresql, #docker, #redis

TECHNICAL SKILLS

Mobile Engineering: React Native, TypeScript, C++ / JSI Bridge, Shopify Skia, iOS / Swift, Android / Kotlin

Web & Frontend: React / Next.js, TypeScript, Tailwind / CSS, Astro / Static Edge, WebSockets / Realtime, WCAG AA Accessibility

Backend & Cloud: Node.js / Bun, PostgreSQL / SQLite, Cloudflare Workers, Go / Systems, Docker / CI Pipelines, REST & GraphQL APIs

EDUCATION & LANGUAGES

B.Sc. in Computer Science — Silesian University of Technology 2013 — 2017

Languages: Polish (Native) · English (C1 (Fluent Professional))