

Tomasz Szewczyk

Senior React / React Native Engineer

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Professional Summary

Senior React / React Native Engineer with 10+ years building and scaling production web, mobile, and cross-platform applications. Skilled in React, React Native, TypeScript, JavaScript, and Node.js.

Experienced technical lead who has managed engineering teams of up to 10. Led the migration of existing codebases to React Native for shared, cross-platform architecture and greater code reuse.

Additional background in Connected TV and OTT engineering (Roku, Samsung Tizen, LG webOS), including video streaming, device APIs, and performance optimization for constrained hardware.

Skills

Frontend & Cross-Platform: React, React Native, TypeScript, JavaScript, Angular, HTML5, CSS, Vite.

Connected TV: Samsung Tizen, LG webOS, Roku/BrightScript, Vizio, HTML5 TV Apps, Device APIs, AVPlay, Legacy Device Support.

Video & OTT: HLS, MPEG-DASH, CMAF, HLS.js, Shaka Player, DRM, Ad Insertion, Live Streaming, VOD.

Backend & APIs: Node.js, REST APIs, GraphQL, PostgreSQL, Prisma.

Architecture & Leadership: Frontend Architecture, Cross-Platform Development, Performance Optimization, Technical Leadership, Code Review, Mentoring, API Integration.

Tools: Git, GitLab CI/CD, GitHub Actions, Storybook, Jest, Vitest, Sentry.

Experience

Senior React / React Native Engineer

A Parent Media Co. Inc. (APMC) (Contract) · Wrocław, Poland · Jan 2024 – Aug 2026.

- Lead architecture and technical strategy for cross-platform applications built with React, React Native, and TypeScript.
- Lead and mentor a team of 10 engineers, coordinating technical execution across projects.
- Establish consistent engineering practices and code standards across the team.
- Serve as Connected TV Lead across Roku, Samsung Tizen, LG webOS, and Vizio, in addition to core React / React Native development.
- Improve video playback stability and performance by resolving issues in video players, device APIs, and streaming pipelines.
- Design a hosted application architecture for Samsung Tizen and LG webOS, cutting release time by removing lengthy TV app store review cycles.
- Build a custom Samsung AVPlay-based playback layer, improving streaming reliability on legacy hardware.
- Drive platform compatibility for devices dating back to 2017 through targeted polyfills.

Technologies: React, React Native, TypeScript, JavaScript, Node.js, Tizen, Samsung AVPlay, LG webOS, Roku, Vizio, HLS.js, Shaka Player, HLS, MPEG-DASH, CMAF, OTT, HTML5.

Senior React / React Native Engineer & Technical Lead

Laminar Global (Contract) · Wrocław, Poland · Aug 2022 – Jan 2024.

- Led a team of 3 engineers, developing and maintaining production applications across web, mobile, and Connected TV platforms.
- Provided technical leadership through architecture decisions, code reviews, and mentoring.
- Designed and developed scalable frontend architectures and reusable components using React and React Native.
- Ported and migrated existing Connected TV applications to React Native, enabling greater code reuse and a more unified cross-platform architecture.
- Coordinated development across multiple TV platforms, ensuring reliable production releases.
- Resolved complex performance, compatibility, and playback issues to improve application stability.
- Collaborated with product and engineering stakeholders to translate business requirements into scalable, production-ready solutions.

Technologies: React, React Native, TypeScript, JavaScript, Roku, Samsung Tizen, LG webOS.

Senior React / React Native Engineer

Laminar Global · Wrocław, Poland · Apr 2022 – Aug 2022.

- Developed production applications using React and React Native, focusing on scalable architecture, performance, and maintainability.
- Ported and adapted Connected TV applications to React Native, working on cross-platform architecture, reusable components, and platform-specific requirements.
- Investigated and resolved complex frontend and platform-specific issues affecting application stability and playback reliability.

- Implemented performance and architectural improvements that increased application responsiveness on Smart TV devices.
- Collaborated with engineering and product teams to deliver production-ready features across constrained TV environments.

Technologies: *React, React Native, TypeScript, JavaScript, LG webOS, OTT.*

React / React Native Engineer

ARC Software · Wrocław, Poland · Jan 2021 – Apr 2022.

- Developed production web and mobile applications using React and React Native for a major OTT client.
- Built a mobile application with React Native, working across architecture, UI development, API integration, debugging, testing, and deployment.
- Built a Smart TV application from scratch, designing the application architecture and implementing core frontend functionality.
- Owned key application components and contributed to frontend architecture, performance optimization, and platform compatibility.
- Investigated and resolved complex technical issues related to application functionality, performance, and platform-specific behavior.
- Collaborated with designers, backend developers, and QA engineers throughout the development lifecycle.

Technologies: *React, React Native, JavaScript, TypeScript, Smart TV, OTT.*

Frontend Engineer · React / React Native

devTicon · Wrocław, Poland · Apr 2019 – Jan 2021.

- Developed cross-platform mobile and IoT applications using React Native and Ionic.
- Built and maintained web applications using Angular and JavaScript for enterprise clients, including Kolporter, Tauron, and Novitus.
- Integrated applications with backend services and APIs, including GraphQL.
- Worked across the full application lifecycle, including architecture, development, testing, debugging, deployment, and production support.
- Developed reusable UI components with a focus on maintainability, performance, and user experience.
- Contributed to application architecture, feature development, and ongoing maintenance across production enterprise environments.

Technologies: *React Native, Ionic, Angular, JavaScript, TypeScript, GraphQL, IoT.*

Web Freelancer

Self-Employed · Wrocław, Poland · 2015 – 2019.

- Developed websites and web applications for private and business clients.

Key Achievements

- Implemented a native offline playback module for React Native, letting users download and watch video content without an internet connection.
- Built and delivered Connected TV applications from the ground up across Samsung Tizen, LG webOS, Roku, Vizio, VIDAA, Titan OS, and VEGA OS, supporting hardware generations dating back to 2017.
- Built a React Native IoT application for managing connected devices in real time over WebSockets.
- Delivered 4 Connected TV applications to production across major platform stores, including Samsung, LG, VIDAA, Vizio, and Titan OS.
- Ported a React Native application to large-screen TV form factors, adapting UI, navigation, and input handling for a 10-foot viewing experience.
- Reduced CPU consumption during video playback from approximately 80% to 30% through performance optimizations.
- Built a custom Samsung AVPlay-based video playback layer, improving stability on legacy hardware.

Education

Master's Degree, Cello Performance.

The Karol Lipiński Academy of Music in Wrocław · 2013 – 2018.

Languages

Polish - Native · English - Professional Working Proficiency.