

Cristian Tobol

Software Engineer

BSc Computer Science 2018

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Professional Summary

Experienced software engineer with 6+ years of professional development experience, specialising in React, JavaScript, TypeScript, HTML, CSS, CSS-in-JS, and modern frontend development. Strong experience building responsive, scalable web and cross-platform applications, with additional hands-on exposure to mobile, backend, and cloud technologies. Comfortable working across the full development lifecycle in Agile environments.

Technical Skills

- React, React Native, Next.js, TypeScript, JavaScript, HTML5, CSS3, CSS-in-JS, Zustand
- Framer Motion, React Spring, GSAP
- REST APIs, Node.js, WebSocket, MongoDB, PostgreSQL
- Electron, Capacitor, Ionic, Wails, App Store Connect
- AWS, GCP (Firebase, Google Maps API), Cloudflare, Vercel, Railway,
- CI/CD, Bitbucket Pipeline, GitHub Actions, Vitest, Playwright
- Claude Code, Cursor

Work Experience

VMI Studio — London, UK

Fullstack Developer | Jan 2022 – Oct 2025

- Built interactive property showcase applications using React and TypeScript, featuring 3D walkthroughs, floor plans, and map-based navigation (Three.js, Google Maps, Mapbox), deployed across touchscreens, iPads, and web.
- Developed casting experiences using Socket.IO, enabling iPads to control and present content on large displays.
- Enabled real-time interaction between the app and a physical property model, lighting up selected units via an integrated lighting system.
- Integrated different data sources (Airtable, Google Sheets, and client APIs) to display live unit availability, pricing, and property details.
- Built a full-stack CMS (Next, Node, MongoDB Atlas, Firebase) for managing property content, media, and availability data.
- Delivered cross-platform applications to iOS, desktop, and web using Capacitor, Electron, and Wails.
- Managed cloud infrastructure and deployment using AWS (EC2, Lambda, Route 53, SES, CloudFront) and Cloudflare for CDN and DNS.

InTouch UK — Nottingham, UK

React Developer | Jul 2021 – Jan 2022

- Migrated a legacy Knockout.js CRM application to React with TypeScript.
- Preserved existing CRM functionality while adding new features during the migration like roles and permissions, error alerting systems.
- Integrated the frontend with a .NET Core REST API developed in parallel by backend dev.
- Tested, debugged, and validated functionality to ensure application stability and data accuracy.

Playtika — Bucharest, Romania
Haxe Developer | Mar 2020 – Jun 2021

- Resolved Git merge conflicts and conversion issues during automated C# → Haxe code translation.
- Fixed incompatibilities where C# features or APIs did not map cleanly to Haxe/JavaScript.
- Tested and debugged browser builds by analysing JavaScript output and runtime behaviour.
- Collaborated with C# developers to ensure smooth feature conversion and deployment.

IBM CIC — Leicester, UK
Graduate Software Developer | Sep 2018 – May 2019

- Participated in graduate trainings covering software development, QA, practices and tools.
- Contributed to a group project developing an employee overtime logging system using React.
- Worked within an Agile team to implement features and fix reported bugs.

Boditrax Technologies — Nottingham, UK
Technical Support Engineer | Jan 2015 – Sep 2018

- Built, assembled, and tested body-scanning kiosks deployed in gyms and fitness centres.
- Installed and configured scanner software and hardware and calibrated systems for accurate biometric data (BMI, body fat %, etc.).
- Performed installations and trainings, upgrades, maintenance, and fault diagnosis on deployed machines.
- Collaborated with R&D to test improvements and retrofit existing systems.

Freelance Work | May 2017 – Feb 2023

Worked on multiple projects like a centralised ordering form using HTML and PHP, a fiscal printer interface for hotel management system using C# and XML, online hotel check-in app using C#, a barrier schedule device using Raspberry Pi and React, general refactoring and maintenance for a gaming website using React, TypeScript, CSS, Socket.IO, Web API.

Education

University of Derby
BSc Computer Science | 2014 - 2018 Grade 2:1

Professional & Personal Development

- Java Core Training – IBM
- Agile Methodology – IBM
- Communication & Interpersonal Skills – Achieve Global
- Train the Trainers – Achieve Global