CATALIN MAGIRESCU

Senior Software Architect and Engineer - Mastery in React, React Native and Cross-Platform development.

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SKILLS

Front-end development, mobile application management, component libraries, Node.js proficiency, attention to details, user-centred design, automated testing, clear communication

EXPERTISE

React Native Web, TypeScript, Git, Node.js, Tailwind CSS, Three.js, D3.js, unit testing with Jest, schema creation with Zod, Firebase, RESTful services and APIs, EAS, CircleCI, Bitrise, Fastlane, UI/UX enhancement tools, Lottie and Tamagui frameworks, managing component libraries and design systems.

PROFILE

With 16 years in front-end development, I specialize in **React Native Web** and **TypeScript**. My expertise includes unit testing with **Jest**, **Firebase**, **Node.js** and **RESTful** services. I'm experienced in CI/CD pipelines, UI/UX, and managing component libraries. As an independent contractor, I'm committed to delivering high-quality features, fostering innovation, and continuous learning.

WORK EXPERIENCE

March 2008 – Present
Founder and CTO - Cat Apps
United Kingdom, EU & USA - remote

- Founded a tech company delivering mobile and Web solutions, with expertise in **React Native**, **React.js**, **Node.js**, and CI/CD integration.
- Lead projects leveraging 16+ years of experience, focusing on **TypeScript** and **React Native Web**.
- Convert UI/UX designs to high-performance applications, ensuring scalability and design fidelity.
- Implement testing and automation frameworks such as **Jest**, **Zod**, **EAS**, and **CircleCI** to enhance development workflows.
- Oversee end-to-end testing with **Appium** and **Detox**, maintaining high standards for software quality across multiple browsers and platforms.
- Direct online brand identity projects, manage creative teams, and foster a culture of innovation and continuous learning.
- Utilise cutting-edge technologies like **React**, **Next.js** and **Tailwind CSS**, and maintain libraries for consistent development practices.
- Recently founded **Plantopia Farm**, an innovative start-up applying technology to urban agriculture, aiming to transform city living with sustainable farming practices.

January 2022 - January 2024
Senior Software Engineer - Checkatrade
London, United Kingdom - remote

- Focused on front-end development, providing mentorship and coaching junior, mid and senior engineers, fostering their professional growth and promoting a culture of continuous learning.
- Led the design and development of complex software systems, ensuring adherence to coding standards and best practices.
- Collaborated with cross-functional teams to gather and analyse requirements, resulting in the successful delivery of high-quality software solutions.
- Identified and resolved technical challenges and performance bottlenecks, optimizing software performance and scalability.

- Transformed UIs using **React Native Web** with full user experience redesign to release a beta MVP in 8 months, improving the page speed by 35%, decreasing debugging time by 53%, and increasing user usage by more than 300%.
- Worked with product managers to re-architect the users' multi-page Web app into a single-page Web application and developed two native apps for **iOS** and **Android** using **React Native Web**, while integrating SaaS features, boosting yearly revenue by £11.6M.

February 2018 - January 2022
Senior Software Engineer - Fuse Universal
London, United Kingdom - remote

- Focused on designing and developing robust Web and mobile applications.
- Coordinated with various squads to maintain infrastructure and participated in agile ceremonies delivering complex layouts and ensured the quality of code through rigorous testing and reviews.
- Re-architected a Ruby-on-Rails Web app into a SPA by implementing **React** micro frontend apps.
- Developed a **React Native** multilingual app with offline capabilities, merging LMS and LXP features for essential learning delivery.
- Implemented automated CI/CD, unit, and E2E testing, scaling from 600k to 4.6 million users across clients such as **Avon**, **Lotus**, **Volvo**, and **Hilti**.

July 2017 - February 2018
Software Engineer Lead – Hevnly
London, United Kingdom - hybrid

- Developed responsive enterprise Web applications using **Vue**, **React**, **Redux**, and **Node.js**.
- Maintained apps and provided training and coaching for junior and mid developers.
- Managed front-end architecture, including pull request reviews, post-merge deployments, and releases.

October 2015 - July 2017
Software Engineer – Zinc Media
London, United Kingdom - onsite

- Built intuitive and seamless Web applications by collaborating with cross-functional teams.
- Contributed to projects for renowned clients such as BMW, TfL, Nationwide, and Siemens.
- Ensured code quality across multiple technologies including **HTML5**, **CSS3**, **JavaScript** and PHP.

EDUCATION

Sep 2005 - Jun 2011
Master's degree in automation engineering (Mechatronics and Robotics) - University Politehnica of Bucharest

Sep 2003 - Jun 2007
Bachelor's degree in management information systems - University George Bacovia of Bacau

CERTIFICATION

Jul 2022 - Zero To Mastery Academy - Complete React Native Bootcamp (with Hooks)
Jul 2022 - Coursera - Google Cloud Infrastructure Foundation & Core services
Jan 2021 - Udemy - MERN Stack E-Commerce mobile App - React Native
Nov 2020 - Udemy - Node.js Complete Guide (MVC, REST APIs, GraphQL, Deno)
Feb 2019 - Udemy - React Native: Advanced Concepts
Jul 2018 - Skills Matter London - Webpack Academy: Beginner to Master (Sean Larkin)
Aug 2011 - Advantage Consulting - Advanced Web design & programming courses

INTERESTS

Technology innovation, Open-Source contribution, UI/UX design, Charity work