

Dan Chrostowski

Full-Stack Software
Engineer

Phone: 213.603.0285 | Email: dan@danchrostowski.com | Durango, CO | github.com/dchrostowski

Full-stack developer with over 12 years of combined experience in front-end Javascript libraries and frameworks such as React and React Native, back-end technologies including Amazon Web Services, and embedded development on the Espressif and Arduino platforms. Familiar with the React Native ecosystem and Expo SDK. Strong advocate and experienced practitioner of the agile software development methodology. Mindful proponent of test-driven software development and following engineering best practices. I also maintain excellent proficiency with many other technologies and languages such as Python, Node.JS, Postgres, Docker, and MongoDB which are heavily featured in some of my non-professional work. Please see <https://danchrostowski.com> to learn a bit more and check out some of my personal projects.

Skills

react, react native, redux, javascript, docker, docker compose, mongodb, python, django, postgres, typescript, perl, redis, web development, web scraping, web crawling, java, android, git, postgresql, amazon web services, mobile development,, backend development, frontend api development, android studio, xcode, kotlin, swift, linux, esp-idf, arduino, c, c++, embedded systems, artificial intelligence

Experience

Isotec Security, Inc. / Principal Software Engineer & Project Manager

November 2023 - October 2024, Westminster, CO

Mobile development, react native, expo sdk, react native tools, android sdk, git, python, amazon web services, esp-idf, arduino, c, c++, modbus, docker, embedded systems, project management, ai

- Took on a leadership role as lead developer, project manager, and scrum master.
- Organized and lead sprint planning & standup meetings, set goals, determined requirements, established expectations, set project timelines, reported updates to management, architected/implemented software, and mentored junior developers
- Wrote several mobile applications to interface with embedded security devices
- Developed a native Android and iOS module for SIP intercom support
- Published mobile apps to Google Play Store and Apple Store
- Developed a proof-of-concept AI weapon detection and facial recognition system
- Developed APIs with AWS API Gateway and Lambda, worked heavily with AWS IoT Core service, and wrote special utilities to provision IoT hardware with the AWS SDK.

Kin + Carta / Sr. Technical Analyst Engineer, Web & Mobile Practice

June 2021 - April 2023, Remote

mobile development, web development, react, react native, appium, git

- Hands-on feature mobile development with React-Native for various clients
- Heavy use of redux, middlewares, APIs, hooks, and selectors with a mix of both functional and class components
- Strong focus on test-driven development with React-Native Testing Library and Appium

Blue Cross & Blue Shield of Minnesota / Digital Product Engineer

November 2017 - April 2021, Eagan, MN

amazon web services, aws sdk, aws api gateway, node.js, typescript, docker, react native, react, web development, mobile development, ci cd, git

- Web and mobile development with React and React Native
- Placed on the initial development team which would successfully bring the BCBSMN mobile app to market
- Incorporated Higher-Order Component design pattern in React Native while leveraging Redux and Thunk middleware to facilitate easier organization and transfer of data between API endpoints
- Fully led, designed, and developed the front-end portion of a new application written in React to replace and modernize a legacy system
- CI/CD pipeline development and implementation in GitLab which significantly eased the deployment of applications to our dev, stage, and prod environments in AWS

- Development and design of RESTful APIs and microservices through AWS Lambda and API Gateway

Education

Marquette University / B.S. Computer Science

August 2007 - December 2011, Milwaukee, WI

java, big-o, c, unix, operating-systems, network-programming, data-structures, algorithm, assembly, database, sql, linux

- Granted Silver-Endowed Scholarship for computer science/engineering
- Passed and completed courses in object oriented programming, data structures & algorithms, operating systems, networks and internets, and databases
- Recruited to work on Marquette University's electric vehicle project (eLIMO).
- Proposed and conducted an independent study project with the College of Engineering.
- Competed on Marquette's ACM International Collegiate Programming Contest team.