

CHARRELL SHERMAN

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 2 years of experience developing robust, user-centric mobile and web applications. Skilled in modern frameworks and technologies, with a focus on improving code quality, reducing technical debt, and optimizing development processes. Demonstrated ability to collaborate effectively with cross-functional teams to define, design, and implement new features that enhance user experience. Proficient in a range of programming languages, including JavaScript, TypeScript, HTML, CSS, Python. Strong background in React, Node.js, Django, and other industry-leading frameworks and tools.

PROFESSIONAL EXPERIENCE

General Motors | Remote, Software Engineer

May 2022 – April 2024

- **Enhanced Application Quality:** Reduced our team's tech debt by 20% by addressing legacy code issues and implementing targeted bug fixes and optimizations, leading to improved maintainability and performance across the app.
- **Boosted Efficiency:** Implemented improvements to 3 core app features in React, Android and iOS native languages that enhanced user safety features for 7M active subscribers.
- **Improved User Experience:** Delivered final UI and remote streaming capabilities for GM's [Connected Camera System](#), transforming Figma designs into region-specific features for GM's 4 regional markets.
- **Streamlined Development:** Collaborated in architecture discussions with Backend and API teams, leading to more efficient development cycles by minimizing post-implementation changes.

Sacramento Community College | Sacramento, CA, Computer Science Tutor

Sep 2017 – May 2018

- **Strengthened Student Performance:** Conducted Object-Oriented Programming review sessions for 10-12 students, improving their exam readiness and overall performance.
- **Improved Coding Skills:** Assisted students with programming questions and debugging, leading to increased proficiency and understanding of key coding concepts measured by quiz and exam performance.

Mission Bit | San Francisco CA, Assistant Instructor

May 2018 – Aug 2018

- **Developed Curriculum:** Created and delivered a comprehensive HTML, CSS, and JavaScript curriculum for 15 students aged 14-18, focusing on web design and game development.
- **Increased Project Success:** Boosted student project success through targeted guidance on web design techniques and daily check-ins for project-specific code enhancements.

TECHNICAL SKILLS

Languages: JavaScript · TypeScript · HTML · CSS · Python · C++ · Java

Technology & Frameworks: React · Node.js · Express.js · Redux · Git · Figma · Django · PostgreSQL · MongoDB

Other Skills: Code Maintenance · Debugging & Research · Agile · Web Development · Unit Testing · Code Review

PROJECTS

[Financial Tracker](#) | Full-Stack Web Application

Created a full-stack web application and dashboard that provides advanced financial insights and predictive analytics, enabling stakeholders to monitor KPIs and make informed decisions.

Skills: React.js · TypeScript · JavaScript · Node.js · MongoDB · Redux

[DevSearch](#) | Full-Stack Web Application

Built a platform for developers to collaborate on unfinished and 'in-progress' projects. Implemented an authentication system and RESTful API using Django libraries to manage both frontend and backend.

Skills: Django · Python · HTML · CSS · PostgreSQL

[ChatApp](#) | Mobile Application

Developed a full-stack mobile messaging application for iOS and Android, replicating core WhatsApp functionalities, with features like real-time messaging, secure authentication, and group chat.

Skills: React Native · JavaScript · AWS Amplify · Expo

EDUCATION

University of California, Davis

2021

Bachelor of Science, Computer Science

PROFESSIONAL DEVELOPMENT

AWS Certified Cloud Practitioner (*in progress*)

Nov 2024

Code2040 Fellow

2021 - 2022