**Andrew Kolumbic**

Senior Software Engineer

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Results-driven Senior Software Engineer with nearly six years of professional experience specializing in TypeScript, React, and Angular. Proven expertise in modernizing applications, enhancing user experiences, and delivering responsive and efficient interfaces. Adept at leveraging generative AI tools like ChatGPT and Cursor to boost productivity and drive innovation. Known for clean, modular code and effective collaboration across diverse teams.

**Skills**

**Languages:** TypeScript, JavaScript (ES6+), CSS, HTML, Python

**Front-End Frameworks & Libraries:** Next.js, React, Angular, Vue

**Styling/VFX:** Tailwind CSS, Styled Components, Material Design, Three.js, Motion

**Mobile Development:** React Native, Ionic Framework

**Back-End Knowledge:** Node.js, Express.js, Django, MongoDB, Supabase

**Analytics & Collaboration Tools:** Mixpanel, Azure DevOps, Jira, Figma

**Generative AI Tools:** Cursor, Claude, ChatGPT, OpenAI API, GitHub CoPilot, NotebookLM

**Testing & QA:** Jest, Mocha, Jasmine, Karma, Playwright, pytest

**Methodologies:** Agile, Scrum, Waterfall, Kanban

**Soft Skills:** Cross-functional collaboration, adaptability, effective communication

**Education & Certifications**

**Lambda School:** Full Stack Web Development - 2018

**Launch by NTT Data:** GenAI Levels 1, 2, & 3 - 2024

**Professional Experience**

**Launch by NTT Data** – *Remote*

**Senior Software Engineer**

**January 2019 – November 2024**

**Florida Department of Corrections – Public Sector App Modernization (April 2024 - August 2024)**

**Led** a front-end team of 3 developers in delivering a high-quality, modern Angular app under a tight **5-month deadline**, ensuring **100% on-time project delivery** and **strong client satisfaction**.

**Florida Department of Corrections** (Continued)

**Engineered** reusable and scalable code structures, enabling seamless onboarding and integration for additional team members. This resulted in an **85% reduction** in onboarding time, allowing new developers to start contributing within a day and significantly improving productivity across the project.

**Collaborated** closely with stakeholders to understand and meet project requirements, incorporating best practices in accessibility, testing, and responsive design.

**The Home Depot – Enterprise Software Modernization, iPad App Development, Node.js App Refactor (Various Projects 2019 - 2024)**

**Modernized** multiple legacy enterprise applications using React and Angular, focusing on optimizing workflows for 10,000+ users across the company, resulting in a **30% improvement in application load times** and a **25% increase in user engagement**.

**Contributed** to a robust, secure React app for an enterprise client handling tens of millions in transactions annually, resulting in **reducing shrinkage** by 1%.

**Developed** critical features for an iPad app using Angular and Ionic, streamlining inspection processes for field agents. This modernization improved user efficiency, enabling a **20% faster completion rate for inspection tasks**.

**Streamlined** a 1600+ line function into modular methods, improving maintainability and reducing the codebase by 20%.

Wrote 1000+ unit tests to ensure 100% code coverage, resulting in **increased code reliability** and **enhanced test coverage**.

**Integrated** MixPanel for real-time data visualization, allowing clients to track and analyze user behavior, leading to **20% better data insights**.

**Southern California Edison – iPad App Development, Customer-Facing React Native App with Node.js/FeathersJS Backend (June 2019 - July 2020)**

**Designed** and **maintained** a React Native iPad app, improving usability and performance for inspection workflows critical to Southern California Edison’s field operations.

**Implemented** offline functionality for improved reliability in remote areas, resulting in a **40% reduction in report submission delays** for field inspections.

**Scaled** a React Native app for a user base of over 10 million, focusing on backend development with Node.js and FeathersJS.