Andrew Kowalczyk
Full Stack Software Engineer

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Summary

Seasoned full stack software engineer with over 9 years of experience in developing and optimizing user-centric web applications across various industries. Demonstrated leadership in project management and team coordination, combined with a commitment to continuous learning and staying ahead of industry trends. Specializing in full stack web development with React, JavaScript, TypeScript, HTML, CSS, Next.js and Node.js. Passionate about creating clean, efficient, and testable code, and dedicated to delivering high-quality products that exceed expectations.

Work Experience (selected)

Front End Software Engineer
01/2023 - 11/2023
Mercator ⬈ • Contract
Remote

- Developed an AI powered SQL editor capable of handling multi-gigabyte CSV files and rendering millions of rows with React, TypeScript, Next.js, TailwindCSS, CodeMirror, DuckDB, and Web Workers
- Developed and maintained an end-to-end testing suite using Playwright, significantly enhancing confidence in deploys through robust, automated validation of application functionalities
- Improved application performance by reducing JS bundle sizes **by 30%** and page load times **by 25%**
- Added application features including user management, invitations, feature flagging, and API key management

Full Stack Software Engineer
02/2021 - 06/2022
Everest • Contract
Remote

- Developed and deployed a web application using React and Material UI, successfully supporting a user base of **192K** with **72K** monthly active users
- Served as technical lead for a team of 5 developers, providing mentorship and guidance on best practices and modern technologies
- Implemented a new design system from designer mockups, encompassing a wide range of user states, and featuring responsive layouts and reusable components
- Conducted comprehensive front end integrations, including custom event tracking, Auth0 for authentication, LaunchDarkly for feature flag management and A/B testing
- Improved security and extended functionality of an existing REST API by wrapping it with Apollo GraphQL

Full Stack Software Engineer
01/2018 - 10/2019
PayFit Inc. ⬈ • Full-time
Paris, France

- Successfully migrated an internal application from Angular to React, **reducing load times by 75%** and streamlining the process for international teams to define complex financial terms and laws
- Co-developed PayFit's JetLang engine for parsing and interpreting complex financial language, and became the technical owner of this proprietary language interpreter
- Streamlined developer workflows and enhanced sprint velocity by migrating all repositories from Codeship to CircleCI, resulting in a **50% reduction in CI pipeline build times** and improved build configurability
- Overhauled client-facing Excel exports, significantly reducing bugs and customer success tickets by enhancing readability and adding safeguards against incorrect data inputs

Work Experience (continued)

Front End Software Engineer II   06/2014 - 11/2016
OpenGov Inc. ☐ • Full-time   Redwood City, CA

- Led scrum teams for 4 quarters as ScrumMaster, resolving blockers and maintaining team alignment
- Migrated the production database from MySQL to PostgreSQL, ensuring a seamless transition with minimal downtime and enhanced database performance
- Developed an internal analytics site using Keen.io, Salesforce, and Google Analytics for user engagement insights empowering product managers and business stakeholders to make informed decisions
- Developed multiple applications for the OpenGov platform, including a budgeting application, tools for financial structure presentation, similarity searches based on metrics, and configuration of public transparency sites
- Unified and simplified the front-end architecture by consolidating modules and enforcing coding best practices; updated legacy code with modern ES6 constructs and reduced code smells
- Developer and maintained an application harness which enabled developers to quickly bootstrap new applications, resulting in a **30% reduction in application shipping time**

Education

Bachelor of Science in Computer Science   09/2010 - 05/2014
Loyola Marymount University (LMU) ☐   Los Angeles, CA
Dean's List – (Cumulative GPA of 3.5 or higher)   Fall 2012, Spring 2013, Fall 2013
Outstanding Lower Division Award – Computer Science   04/2011

Areas of Expertise

Front End Development, Back End Development, Software Development Lifecycle, Agile / Scrum Methodology, Web Application Development, Web Application Testing, Web Performance Optimization, Responsive Design, Cross Functional Team Collaboration, UI / UX Design, Cross Browser Compatibility, CSS Animations, Design Systems

Skills

React, JavaScript, TypeScript, HTML, CSS, GraphQL, Next.js, TailwindCSS, Base Web, Playwright, CodeMirror, WASM, DuckDB, Docusauraus, Web Workers, Vercel, GitHub Actions, Webpack, Apollo GraphQL, Docker, Figma, Material UI, Auth0, LaunchDarkly, BitBucket, Jira, Confluence, Flask, Ant Design, New Relic, Algolia InstantSearch, Node.js, JSON, Express, Angular, styled-components, REST APIs, Jest, Redux, MongoDB, CircleCI, Codeship, Storybook, Lerna, Cypress, REST APIS, Babel, SQL, MySQL, PostgreSQL, Relay, Ruby, Ruby on Rails

Certificates

commercetools Associate JavaScript Developer – commercetools ☐   03/2022 - 03/2024
Certified ScrumMaster – Scrum Alliance ☐   06/2015 - 06/2017

Awards

Eagle Scout – Boy Scouts of America   04/2010

Spoken Languages

English – Native   French – Fluent   Polish – Fluent   Spanish – Conversational