Andrew Kowalczyk

Full Stack Software Engineer

Seasoned full stack software engineer with over **9 years** of experience building performant full stack web applications. Passion for the front end with back end experience to match.

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Areas of Expertise

Front End Development　Back End Development　Performance Optimization　Responsive Design　User Experience

Scrum Methodology　Web Application Development　CSS Animations　Software Development Lifecycle

Work Experience

Senior Full Stack Software Engineer
Freelance / Self-Employed ⬀

April 2020 - Present
📍 Remote / Los Angeles, CA

- Developed and deployed a loan management application built with React / Material Design
- Improved security and extended functionality of an existing REST API by wrapping it with Apollo GraphQL
- Integrated LaunchDarkly with an application for feature flag management and A/B testing
- Implemented new UI / UX from designer mock ups, e.g., collapsible sidebar, modal interactions, responsive layouts, reusable components, etc.
- Migrated a Python / Flask application to React / Ant Design to launch an MVP for a fast deadline
- Integrated Algolia's React InstantSearch with a design framework for performant customized components
- Integrated a front end application with a custom event tracking solution
- Added GraphQL queries and mutations to a Ruby on Rails application
- Integrated a front end and back end application with Auth0 for a custom authentication experience
- Simplified and consolidated two React / Retool applications into one for maintainability
- Updated printable-to-PDF financial reports composed of React components to match designer mock ups
- Identified the slowest parts of a client's application using New Relic reports and logs, and provided actionable advice to resolve their issues

Full Stack Software Engineer
PayFit Inc. ⬀

January 2018 - October 2019
📍 Paris, France

- Helped create an engine responsible for parsing and interpreting PayFit's own proprietary language JetLang which describes complex financial language like social laws and collective agreements
- Created a React application used internally to create the definitions mentioned above
- Became the technical owner of the interpreter of said proprietary language
- Developed an API agnostic data-fetching module used in multiple environments (browser, node, etc.)
- Enforced better coding practices through linting and augmenting code coverage throughout various codebases
- Reduced number of bugs and customer success tickets by revamping client facing Excel exports
- Revamped client facing excel exports so that they were more readable and prevented the user from inputting incorrect data
- Improved sprint velocity and simplified developer workflows by reducing CI pipeline build times and improving configurability of builds
- Migrated all of our repositories from Codeship to CircleCI for faster CI builds and improved configurability

Work Experience (continued)

Front End Software Engineer II   July 2014 - November 2016

OpenGov Inc. ⧉   ⊙ Redwood City, CA

- Acted as ScrumMaster throughout 4 quarters, ensuring success of scrums by resolving blockers and keeping the scrum aligned
- Migrated the production database from MySQL to PostgreSQL
- Developed and deployed an internal analytics site to give insight as to how often and when entities on our platform were using our products using Keen.io, Salesforce, and Google Analytics as sources
- Enabled entities on the OpenGov platform by developing an application that gave them fine-tuned control over how they present their entire financial structure, outwards to citizens and as well well as internally
- Developed an application which allows local governments on the OpenGov platform to find similar entities based on various metrics (proximity, population, revenue, etc.)
- Developed an application which gives local governments the ability to configure their public transparency sites (reports, attached documents, etc.)
- Maintained a utility which acted as an application harness that all of apps depended on
- Improved developer workflows by creating and maintaining an application harness which helped bootstrap which enabled developers
- Unified and simplified the front end architecture by consolidating modules, and by enforcing similar code practices throughout the codebase
- Updated large amounts of legacy code with new language constructs (ES6) and preferred styles to avoid code smells and bad practices (linting) updating out-of-date dependencies

Database Intern   Jan 2014 - May 2014

CaseStack ⧉   ⊙ Santa Monica, CA

For my senior year internship while completing my Computer Science degree, I worked with Microsoft SQL Server and the System Profiler to optimize database queries

Teaching Assistant, Keck Computing Lab   Jan 2013 - Dec 2013

Loyola Marymount University ⧉   ⊙ Los Angeles, CA

As a Teaching Assisstant in the Lab, I made sure that the lab was running smoothly and that all of the students' needs were met and that all of their questions are answered. The hours of help are viewed as open office hours for the students to get help on their current projects.

Web, New Media, and Design Assistant   Jan 2014 - May 2014

Loyola Marymount University ⧉   ⊙ Los Angeles, CA

As a WNMD (Web, New Media, and Design) Assistant, I was given the tasks of updating pages on www.lmu.edu's content management system TerminalFour, updating LMU's mobile app iLMU for the platforms of iOS and Android via Mosaic, presenting options for www.lmu.edu's future mobile web site, and other responsibilities.

Orientation Leader   May 2012 - Jun 2013

Loyola Marymount University ⧉   ⊙ Los Angeles, CA

With the position of Orientation Leader, Loyola Marymount entrusted me with welcoming the Classes of 2016 and 2017 to their campus. Guiding students around the campus to get them acquainted with their individual departments, I gave the first year students all of the resources they needed to have a great initial experience with LMU.

Skills & Technologies

React · JavaScript · TypeScript · HTML · CSS · SASS · Tailwind CSS · Node.js · Vercel · GraphQL · Apollo GraphQL · PostgreSQL · Redux · Express · Next.js · Jest · Material UI · Ant Design · Bulma · npm · yarn · CircleCI · git · GitHub · JIRA · BitBucket · Auth0

Education

Bachelor of Science in Computer Science
September 2010 - May 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
April 2011

Projects

Pogoda - Minimalist Weather Dashboard ↗

Pogoda is a simple and minimalist weather dashboard made with the following modern web technologies: React, Next.js, TypeScript, Prisma, PostgresQL, and styled-components. The web application connects to the OpenWeatherMap API to fetch weather data for a given location, and is responsive for mobile, tablet, and desktop devices.

Awards

Eagle Scout – Boy Scouts of America
April 2010

Certificates

commercetools Associate JavaScript Developer – commercetools
March 2022 - March 2024
Certified ScrumMaster – Scrum Alliance ↗
July 2015 - July 2017

Spoken Languages

English	French	Polish	Spanish
Native	Fluent	Fluent	Conversational