Joe Badaczewski | Senior Software Engineer, Team Lead with 12 years of experience | https://joebad.com

Work Experience

- **Senior Software Engineer** **March 2024 – Present** **SoftWriters**
- **Front-End Engineer II** **May 2022 – March 2024** **AWS**

Individual contributor for the CloudWatch Logs (CWL) team. Maintained a feature rich AWS micro front-end that provides visualizations and insights into web service logs running at a global scale. I implemented accessible and internationalized features that provided real-time data to millions of users. As the world leader in monitoring solutions, this front-end team had to make critical considerations for thousands of different user devices and internet capability variations. Also, I collaborated with service teams on developing high quality, high volume, and highly available services. This role required an expert skill level in front-end system design, React, TypeScript, and working in a rigorous, impactful, and highly complex development environment which orchestrates thousands of front-end packages deployed independently.

- **Senior Software Engineer, Team Lead** **Sept. 2021 – May 2022** **Homee**

Senior developer and team lead for four industry grade mobile applications for iOS/Android that focused on simplifying the process of assessing, estimating, and fulfilling insurance claims. Implemented advanced features such as turn by turn navigation, locations-based consumer and provider matching, offline syncing and fault tolerance, optical character recognition for analyzing estimates and receipts, and an intuitive scheduling interface including efficient native gestures and animations. Also, lead architect on cross team authentication and authorization using AWS Cognito. Planned and implemented a shared OIDC provider across a cluster of microservices and organized a new team dedicated to these types of infrastructure concerns. This role required an expert skill level in enterprise system design, mobile application distribution, React Native, and TypeScript.

- **Senior Software Engineer, Team Lead** **May 2020 – Sept. 2021** **SoftWriters**

Senior developer and team lead on two enterprise mobile applications for iOS/Android and a myriad of n-tier web applications that support thousands of long-term care facilities. Developed, maintained, and managed several projects that serve 100,000+ concurrent users and provide services for delivering and tracking millions of prescription orders across the country. Also, lead architect on new initiatives to position SoftWriters as a country wide leader in pharmaceutical delivery practices. Lead architectural design sessions to create a decoupled, distributed system that will be responsible for recording the chain of custody of controlled and uncontrolled substances from pharmacies to long term care facilities. This job required an expert skill level in C#, TypeScript, React, React Native, Docker, and distributed system design.

- **Senior Software Engineer** **Aug. 2019 – May 2020** **Proofpoint**

Lead developer and code owner of multiple enterprise React/Redux/TypeScript applications that provide training assignments and exercises to 15,000+ concurrent users. Provided architectural direction and diagnostic philosophy for a team of front-end and back-end developers. This job required an expert skill level in React, Node.js (NestJS), TypeScript, CI/CD, Git, and the principles behind scaling a multi-contributor code base within an Agile environment.

- **Software Engineer** **Feb. 2019 – Aug. 2019** **Idelic**

Developer for web applications targeted at aiding terminal managers of trucking companies with monitoring and improving driver performance and safety. Utilized microservices via Docker to create a multitiered platform that achieved high levels of concurrency, availability, and reliability. This job required and expert skill level in React, React Native, Redux, and Docker. Also required knowledge of Scala, PostgreSQL, and test-driven development.

- **Software Engineer** **Oct. 2017 – Feb. 2019** **PSI**

Responsible for creating and maintaining HR solution software that assist many Fortune 500 companies with selecting the best candidates available. Worked closely with Industrial and Organizational psychologists to develop algorithms that assess a candidate's potential for success and analyzes several facets of his or her personality. Required extensive knowledge in C#, unit testing, OOP Angular, JavaScript ES6, cloud computing, and CI/CD.

Full experience at https://joebad.com/cv

Academic Overview

August 2008 – May 2012 (Undergraduate)
Degree: BA in Digital Media Arts

May 2012 – May 2014 (Graduate)
Degree: MS in Media Arts and Technology

Technologies and Paradigms

- **Expert:** React (Native)/Redux/Saga, Angular/ngrx, Node/Express/Mongo, .NET Core/C#, Docker, OOP, RxJS, TypeScript/JavaScript, REST, OAuth2, SOLID design principles, TDD, Agile, SDLC, JSS/LESS/SASS, Grid/Flexbox, Ansible, microservice architectures, scaling enterprise grade applications, distributed systems with AWS or Azure, WatermelonDB and offline-first applications, GraphQL
- **Intermediate:** Rescript/Reason, functional programming, NxDevTools, Remix, Next