

Joe Badaczewski

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Senior Software Development Engineer with 12+ years of proven experience building large-scale, full-stack systems and mobile applications using C#, Node.js, React Native and TypeScript

Core skills

C#, Node.js/Express/NestJS, REST, federated GraphQL, TypeScript, React, React Native, Angular, front-end development and module bundling, full stack system design, distributed system design, implementing OIDC providers with fine-grained RBAC, service oriented architecture, large scale project management, cross-team collaboration, maintaining operational excellence in distributed systems, Agile software development, mentorship and leadership, working well under pressure, optimizing user experiences for performance, accessibility, and scalability

Professional Experience

Softwriters, Inc., Pittsburgh, PA
Senior Software Engineer

03/2024 - Present

- Senior lead of FrameworkCourier, an application written in C# which is responsible for tracking the chain of custody of prescriptions through a system of pharmacies and facilities
- Designed and implemented a suite of mobile applications written in React Native that make pharmacies more efficient in packaging and reviewing prescriptions
- Planned and developed a cross-team project that used Large Language Models to give pharmacies better auditing tools by translating natural language to executable SQL statements
- Built a proof of concept written in full-stack F# that uses HTTP only cookie authorization with an OIDC provider (Keycloak). This prototype enables retail pharmacies to independently build on top of FrameworkLTC's infrastructure.
- This role requires an expert skill level in C#, TypeScript, React Native, Git, cloud services, service-oriented architecture at scale, Agile software development, and interfacing with multiple team leaders to achieve common product goals

Amazon Web Services, Seattle, WA (remote)
Front-end Engineer II

05/2022 - 03/2024

- Lead the design, development and delivery of [Log anomaly detection](#); a tool for the CloudWatch Logs team which enabled customers to detect elevated errors and patterns and decreased time-to-action for customer impacting events
- Spearheaded the migration of [CloudWatch Logs Insights](#) from a legacy backend service to a modern service with more granular roles-based authorization without affecting uptime. The new authorization strategy provided better security for 2M+ requests per day
- Managed the onboarding process of three new developers into a rigorous on-call environment for a three nines service with a 15 min response time
- Volunteered for [Code.org's Hour of Code](#) and lead the instruction of 3 one-hour sessions to elementary and high-school students on the importance of STEM careers and basic programming concepts
- This role required an expert skill level in leading large scale projects with many stakeholders, frontend system design, React, TypeScript, working well under pressure, mentorship, and managing optimal accessibility and performance for a complex system of micro-frontends

Homee, Inc., Orlando, FL (remote)
Senior Software Engineer, Team Lead

10/2021 - 05/2022

- Hired and lead a team of mobile engineers responsible for four industry grade mobile applications for iOS/Android that simplified the assessment and estimation of insurance claims
- Managed an IAM service using Keycloak (an open source OIDC compliant server) that served 1000+ active users
- Lead the development of complex 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

- This job required an expert skill level in federated GraphQL, Node.js/Express/Next.js, React, React Native, Redux, TypeScript, AWS, Postgres, Redis, and OIDC

Softwriters, Inc., Pittsburgh, PA
Senior Software Engineer

05/2020 - 10/2021

- Team lead for a suite of two iOS and Android applications that streamlined the packaging, reviewing, and delivery of controlled and uncontrolled substances from long-term care pharmacies to LTC facilities
- Lead architect in designing and deploying a distributed system responsible for tracking the chain of custody and courier history of millions of prescriptions
- This job requires an expert skill level in C#, TypeScript, cloud services, large-scale system design, and service-oriented architecture

Proofpoint, Pittsburgh, PA
Senior Software Engineer

09/2019 - 05/2020

- Lead developer and code owner of multiple enterprise React/Redux/TypeScript applications that provide training assignments and exercises to 15,000+ concurrent users
- Organized architectural direction and 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

Idelic, Pittsburgh, PA
Software Engineer

02/2019 - 09/2019

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

PSI Services, LLC, Pittsburgh, PA
Software Engineer

10/2017 - 02/2019

- Software engineer responsible for creating and maintaining HR solution software that assists Fortune 500 companies with selecting the best available candidates
- Interfaced with Industrial and Organizational psychologists to develop algorithms that assess a candidate's potential for success
- This job required extensive knowledge in C#, unit testing, OOP, Angular, JavaScript ES6, cloud computing, and CI/CD

Brunner, Pittsburgh, PA
Senior Visual Developer

09/2014 - 10/2017

- Senior developer responsible for planning and building web applications for a myriad of companies in the financial and e-commerce/retail industries
- Lead a team of front-end and back-end developers in delivering highly performant and low-latency web and mobile applications that drove leads for our customers and managed billions of dollars in investments
- This job required expert level knowledge of C#, TypeScript, and project management

Education

M.S. Multimedia Technology, 2012 - 2014
 Duquesne University, Pittsburgh, PA

B.A Digital Media Arts, 2008 - 2012
 Duquesne University, Pittsburgh, PA