

Tyler Caldwell

Experienced engineering leader and software architect.

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EXPERIENCE

Wayfair — Solutions Architect (Landing Experiences & SEO Platform)

2016-Present

Software Engineer IV (Staff Engineer) Feb 2020 - Present

Software Engineer III (Engineering Manager) 2018-2020

Software Engineer II 2017-2018

Software Engineer I 2016-2017

Key Accomplishments

- Led teams totaling 20+ engineers in applying domain-driven design to re-architect monolithic back end into microservices communicating via messages/events and REST
- Designed & led delivery of solutions for SEO metadata, sitemaps, linking, and more across a portfolio of e-commerce experiences
- Architected & led delivery of many high-impact initiatives across SEO domain
- Grew entry level ICs into tech leads, tech leads into managers

Responsibilities

- Roadmapping & planning, ensuring quality of deliverables, de-risking technologies & projects with POCs & prototypes, improving development process, leading solution design
- Interview candidates & lead hiring decisions; from entry-level engineers to cross-functional directors
- Collaborate directly with cross-functional partners in product, marketing, design, business intelligence, and web analytics
- Collaborate with vendors, on-board new tools and integrations
- Managed a team of eight full-stack engineers, tech leads, and a QA analyst, comprised of three distinct scrum teams

SKILLS

Languages/Frameworks

Java, Spring Boot, PHP, Node.js, SQL, Express, JavaScript, React.js, CSS/SASS/LESS, Mustache

Tools & Technologies

Google Cloud Platform (GCP), GraphQL, Docker, Kubernetes, Kafka, REST, SQL Server, Aerospike, Redis, Memcached, Jenkins

Problem Domains

E-Commerce, Search Engine Optimization (SEO), Web Crawling/Scraping

AWARDS

Commonwealth Honors

Scholar with Greatest Distinction | UMass Amherst

Dean's List all semesters | UMass Amherst

LANGUAGES

Native English speaker, amateur German and Mandarin speaker, aspiring Russian expert

PROJECTS

Every Man Jack — January 2018 - May 2018

Freelanced to build a mobile application. React using Ionic & Cordova.

REU - Mobile Machine Learning for Health — 2015-2016

Undergraduate thesis project utilizing machine learning to detect use of alcohol via streaming sensor data from a smartwatch to a smartphone.

EDUCATION

Boston University Boston, MA — MS Software Development

September 2017 - October 2019 | 3.8 GPA

UMass Amherst Amherst, MA — BA Computer Science + BA Economics

August 2012 - May 2016 | 3.8 GPA | Minor in Political Science