Tyler Caldwell

Engineering leader and software architect. Enthusiastic about predictable agile delivery of scalable web systems.

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EXPERIENCE

Wayfair

2016-Present

Software Engineer IV: Feb 2020 - Present
Software Engineer III: 2018-2020
Software Engineer II: 2017-2018
Software Engineer I: 2016-2017

Key Accomplishments

- Led team of 10+ engineers in applying domain-driven design to deliver business capabilities using microservices using streaming, REST, GraphQL, CQRS, Event Sourcing
- Architected & led delivery of solutions for SEO & core shopping funnel
- Grew entry level ICs into tech leads, tech leads into managers

Responsibilities

- Roadmapping & planning, implementing and leading solution design review, ensuring quality of deliverables, accelerating projects with POCs & prototypes, improving development process
- Reduce risk by implementing empirical processes improving visibility & predictability of plans and work in progress
- Set measurable quality standards & gates throughout the SDLC
- Interview & lead hiring decisions across hundreds of candidates; from entry-level engineers to cross-functional directors
- Collaborate directly with cross-functional partners in product, marketing, design, business intelligence, and web analytics
- Evaluate vendors, onboard integrations

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

Business 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

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 — *MS Software Development*

September 2017 - October 2019 | 3.8 GPA

UMass Amherst — *BA Computer Science + BA Economics*

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