

ERIC WALSH

SOFTWARE ENGINEER 📍 NORCO ☎ 7143515785

◦ DETAILS ◦

Norco
7143515785
ericmatthewwalsh@gmail.com

◦ LINKS ◦

ericmwalsh.com
github.com/ericmwalsh
linkedin.com/in/eric-walsh-31552250/

👤 PROFILE

I am searching for an engaging position in software engineering and development where a strong background in programming, architecture, and leading group projects can be used to improve operations.

📁 EMPLOYMENT HISTORY

Software Development Engineer (SDE II) at Amazon Music, Culver City

July 2020 — June 2022

I transferred internally (within Amazon) from Ring to the Amazon Music Podcast team, specifically the Podcast Search team. During this time:

- I helped built out the back end system for Podcast search (episodes, shows, etc) in the Amazon Music application
- Joined the team prior to public launch to help build out APIs and the data pipeline and to optimize ElasticSearch usage. I helped launch Podcasts to the public and then continued scaling up the APIs and services as Podcast listening/usage increased over the next year.
- I worked with multiple internal teams to build out multiple Java APIs (using internal Amazon tooling) and worked extensively with AWS technologies like SQS, Lambdas, S3, Redshift, and Cloudwatch to build out an ETL pipeline for search data and a separate pipeline for popularity data (calculated using user engagement actions like clicks, listens, plays, etc)
- I worked on numerous A/B experiments to optimize podcast search results and introduce other search user experience improvements like "categorical search". The popularity data pipeline also lead to better internal popularity scores, which were used in the searching algorithm score, and increased the quality of the search results.

Software Development Engineer (SDE II) at Ring (Amazon), Santa Monica

November 2018 — July 2020

Lead software engineer on the Customer Service engineering team. I built internal customer support tools (using Ruby on Rails and Java on AWS) for our service agents in the call centers. I worked with another senior engineer to create the Ring customer service payment system using Amazon Connect (IVR) which allowed our customer service agents to take secure payment over the phone.

Senior Software Engineer (SE4) at TrueCar, Santa Monica

October 2016 — November 2018

Lead back end engineer on the ALG team. My initial responsibilities included porting over legacy, internally-hosted Java APIs to Ruby on Rails hosted on AWS. After these projects were finished I worked with the Data Engineering team and Data Science team to build an ETL pipeline for car purchase prices. I helped build out the APIs to access the transformed data and create a pipeline that used this data to helped forecast automotive residual values.

Software Engineer at HYFN, Hermosa Beach

February 2016 — September 2016

Originally hired as a Full Stack Software Engineer then promoted to Lead Software Engineer for the Twitter Ads team on the HYFN8 project. I helped build an internal tool (in Ruby on Rails) that allowed our internal advertising team to run and manage social media ad campaigns across multiple platforms, my specialty was the Twitter/Twitter Ads API.

○ **Software Engineer at Spinlister, Santa Monica**

December 2014 — February 2016

Software engineer on the founding Spinlister startup team. I worked on the main site (full stack) building out the Ruby on Rails front end/back end application and then later helped split the application into a Ruby on Rails backend API with an EmberJS front end application.

○ **Software Engineer at America's Printer, Buena Park**

June 2014 — September 2014

Software engineer on a team of three engineers maintaining two Ruby on Rails projects:

- an internal CRM that tracked orders
- a customer facing site that allowed customers to place orders for custom print jobs and track their orders

○ **Software Engineer at Broadview Mortgage, Orange**

June 2013 — June 2014

Originally hired as a intern and promoted to full time software engineer after three months. I helped build and maintain a mortgage loan application pipeline using PHP and Drupal 7. I also built single page applications with a small team using Ruby on Rails. I also built complex macros using Visual Basic and MySQL for the accounting team.