

Ryan Tuck

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Skills

Engineering

- > Serverless Framework
- > Fargate / ECS
- > API Gateway
- > DynamoDB
- > AWS CDK
- > Lambda
- > Python
- > RDS
- > SQS
- > EC2
- > IAM
- > S3

Business Intelligence

- > Dimensional Modeling
- > Data Warehousing
- > Spreadsheets
- > Data Lakes
- > BigQuery
- > Looker
- > SQL
- > dbt

Tools

- > Docker
- > CI/CD
- > Unix
- > make
- > tmux
- > vim
- > git

Etc

- > Electrical engineering
- > Raspberry Pi
- > Arduino
- > Knots
- > React
- > R

Education

Northeastern University

BS Physics and Philosophy

2007 - 2012

I'm seeking compelling work in an environment where I can shoulder responsibility and innovate. I'm equally at-home automating cloud infrastructure deployment as I am collaborating with business stakeholders, and care deeply about the ergonomics of products I maintain. I feel most alive in chaotic environments and am more than capable of delivering competent and pragmatic solutions to any problem thrown my way.

Songspace

Senior Data Engineer

2020 - Present

- > Led 3-person Data Exchange team, responsible for onboarding all new record label clients onto the platform
- > Built serverless infrastructure using lambda capable of massive parallel throughput for processing tens of thousands of audio and image files
- > Wrote parsers for standard music industry rights data formats (EDI, XML)
- > Defined and implemented quarterly technical roadmaps
- > Performed complete migration and deprecation of legacy infrastructure to infrastructure-as-code for team resources

Warby Parker

Senior Data Engineer, Tech Lead, Business Intelligence

2015 - 2020

- > Grew from junior engineer to tech lead over five years
- > Acted as tech lead for a team of five BI engineers serving hundreds of corporate users
- > Led design and implementation of core data model rebuilds and Looker restructure, to take advantage of consistent dimensional modeling techniques
- > Built lookmlint, the first open-source linter for LookML
- > Built Pipes during a hackathon, a heavily-used Zapier-esque internal tool / chat bot for regularly moving data from spreadsheets to Looker and vice-versa, scaling to ~100 users and ~1000 pipes over 3+ years
- > Architected in-house python orchestration framework and managed necessary infrastructure via CI/CD
- > Started and ran monthly SQL training classes, attended by roughly 100 employees over the course of two years

LIT

Founder

2012 - 2014

- > Invented the LIT Halo, an LED headband with sophisticated audio-response, for the electronic dance music community
- > Raised \$17000 on Kickstarter in May 2014, falling short of necessary goal amount
- > As part of a two-person team, oversaw all aspects of hardware development, PCB design and manufacturing, C++ software development, website and marketing efforts, and LLC formation