

Colin Matthias
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Profile

Software engineer, entrepreneur, and technical leader with 20+ years of experience seeking a senior-level position. Experienced with full-stack Rails apps, frontends written in React and Typescript, and APIs written in TypeScript, Ruby, and Go. Database experience with MySQL and PostgreSQL. Extensive experience with a wide range of AWS services including S3, ECS, and Lambda. Previous experience in Python, C++, and various data warehousing and analysis tools.

Work Experience

Staff Software Engineer (8/2022-present) at Brightside Health (remote)

- Served as a full-stack engineer on the Operational Efficiency Engineering team, and later on the Care Path team, responsible for building and maintaining back-office tools that help Brightside operate.
- Designed and implemented an asynchronous event bus in Brightside's Rails monolith, using the Ruby Event Store gem backed by Redis. Advocated for its use to the entire engineering team to better decouple unrelated areas of the code. Wrote examples and documentation to ensure that other developers write event handlers which could easily be ported to a more robust backing store such as Kafka or RabbitMQ in the future.
- Built an LLM-based summarization tool to help therapists understand patients' case histories using the ChatGPT API. Project was designed, built, and shipped in a week with a cross-functional team of 5 engineers total as part of an internal company hackathon.
- Ensure a high-quality codebase by doing cross-team code reviews, and writing and reviewing documentation and RFCs.

Principal Cloud Engineer (4/2020-6/2022),

Data Engineer (contractor) (9/2019-4/2020) at iZotope, Inc., Cambridge, MA

- Designed and built APIs to give the iZotope Spire app and hardware device cloud-connected capabilities, allowing users to share music with collaborators and sync projects between their own devices. I deployed these services on AWS using Terraform.
- Built out several music production web applications using React, Typescript, and Go. A recent example was Trackstarter, a web app to quickly generate ideas for new songs.
- Built data pipelines using AWS tools such as Glue, Athena, and ECS, enabled querying of detailed metadata on a large repository (~10TB) of audio files which was previously only sorted manually via directory names.
- Worked with other engineering teams to provide guidance and advice for integrating cloud services into the company's existing desktop products, and for querying our data warehouse. Built several research prototypes and proof-of-concept projects along the way.

Founder (4/2019-4/2020) at Spoutbase, Acton, MA

- Solo founder, developer, marketer, jack-of-all-trades for a SaaS product offering point-and-click scraping and sanitizing of data from anywhere on the web. I built the initial prototype in TypeScript (frontend & backend) and Javascript (browser extension), using Postgres and Redis as data stores.
- Currently parked. I hope to get back to this project in earnest some day!

Senior Director, B2B Platforms (4/2018-3/2019) at Everquote, Cambridge, MA

- Led a team of 5-6 software engineers responsible for the web app that is the primary interface between EverQuote and its many partner insurance companies and agencies. The main technologies used for this app were Ruby on Rails, Postgres, Redis, and ElasticSearch. The app was deployed to AWS EC2 and RDS.
- Worked with product managers to define requirements and specs for new features.

Chief Technical Officer (1/2017 - 8/2017) at Sharp Action, Somerville, MA

- Led & mentored a team of 3 full-time engineers and several contractors.
- Managed budgets and ensured that costs were kept in check.
- Pitched new engineering projects to the executive team, prioritizing those which could contribute the most revenue & net profit to the business.

Director of Systems Engineering (8/2014 - 12/2016),

Manager, Web Systems (2/2013 - 8/2014),

Lead Engineer (6/2011 - 2/2013) at Cogo Labs, Cambridge, MA

- Managed a team of 6+ software engineers and managers responsible for a diverse set of systems that powered everything from consumer-facing websites to backend reporting/analytics systems to email marketing automation systems.
- Hired and recruited new engineers, including developing and overseeing the engineering internship program.
- Initially served as the (sole) engineer, and then eventually manager of a team building a Rails-based website in the automotive space. Developed a scalable system using MySQL, Sphinx Search, and Redis to handle searching gigabytes of data that change on a daily basis.
- Site contributed \$100k+ new revenue per month and helped to close a \$100MM+ acquisition of a portfolio company.

Education

Worcester Polytechnic Institute, Worcester, MA — Bachelor of Science in Computer Science. Membership in Tau Beta Pi (Engineering Honor Society) and Game Development Club.