

ABOUT

As a software engineer with 5 years of hands-on experience and a CS degree, I specialize in developing robust backend systems using Scala, Rust, and Java, along with crafting seamless user interfaces with Typescript. I'm eager to bring my expertise to a high-functioning team of passionate developers committed to excellence in their craft.

PROFESSIONAL EXPERIENCE

Wayfair, Software Engineer II [↗](#)

Jun 2021 – Jan 2023 | Boston, USA

- Developed a full-stack Asset Search Service, leveraging Java, Python, and React, handling millions of queries per day
- Engineered resilient Kafka processing tasks within the Search Data Pipeline, using Java Stream and concurrency APIs, to handle CRUD operations on search indexes with optimal performance
- Modernized legacy React codebase with hooks, functional components, context, and Redux Toolkit, increasing code maintainability and performance
- Designed the Wayfair Asset Management Federated GraphQL Schema, merging multi-team APIs into a single unified endpoint
- Optimized a legacy SQL Stored Procedure by 99%, reducing user wait time for Asset searchability after upload

Editas Medicine, Software Engineer Co-op [↗](#)

Jan 2021 – May 2021 | Boston, USA

- Built full-stack interactive, cloud-based (AWS) web automation tools for scientists, enhancing data gathering, processing, and reporting from Benchling LIMS and other sources
- Developed an AWS Microservice to archive vital DNA Sequencing data into S3 Glacier Storage for long-term, cost-effective storage
- Created the Homology Cluster Tool to identify regions of homology between DNA Sequences, reducing potential primer redundancy

PROJECTS

Leptos Query, Async query manager for Leptos [↗](#)

Jul 2023

- Forged the go-to async state manager for Leptos, a full-stack Rust Framework for building fast web applications
- Key features include configurable caching with SWR for quick data access, deep integration with Leptos' reactive system, server-side rendering compatibility, and efficient de-duplication of queries
- Attracted hundreds of users within first two weeks of launch

Muse, Music Review Platform for Spotify [↗](#)

Aug 2022 – Mar 2023

- Designed a unique platform to facilitate collaborative reviews for music on Spotify, fostering shared musical experiences
- Engineered a high-performance Typescript React Single Page Application coupled with a Scala 3 GraphQL API, ensuring a smooth user experience and robust full-stack type safety
- Integrated GraphQL Subscriptions via WebSockets, allowing users to receive real-time incremental updates

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Software Engineer

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EDUCATION

BS Computer Science, Northeastern University

Aug 2017 – Dec 2021

TECHNOLOGIES

Typescript | Scala | Rust

Java | React | SQL

NoSQL | ZIO | NextJS

Tokio | Tailwind | Kafka

GraphQL | gRPC | AWS

Elasticsearch | Docker

ORGANIZATIONS

Code 4 Community, Software Engineer

Sep 2019 – Sep 2021

Founding member that helped spearhead agile-based development of full-stack software solutions for local non-profit organizations Speak For The Trees and Lucy's Love Bus

SKILLS

Spanish

Type Safety

Concurrency

Pragmatism

Problem Solving

Debugging