

## ABOUT

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As a software engineer with 5 years of hands-on experience and a CS degree, I specialize in developing robust backend systems using Rust 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

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### **Golem Cloud, Software Engineer** [↗](#)

Aug 2023 – present

- Created the Golem Management Console [↗](#), forging a best in class experience for managing your Golem Projects/ Workers with NextJS
- Developed robust GRPC and OpenAPI REST services in Rust for management, provisioning, and interaction with durable workers
- Implemented a novel "Worker Connect" WebSocket system utilizing Tokio Channels, enabling real-time subscription to worker standard output and error streams
- Created a Compilation Service that optimizes cold-start times for workers through ahead-of-time compilation of WASM components

### **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
- 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

## PROJECTS

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### **Leptos Query, Async state management for Leptos** [↗](#)

Jul 2023 – present

- 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, server-side rendering compatibility, efficient de-duplication of queries, and client-side persistence with IndexedDB
- Dedicated Devtools crate enables debugging of queries at runtime
- 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

## Nico Burniske

### Software Engineer

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## EDUCATION

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### **BS Computer Science,** *Northeastern University*

Aug 2017 – Dec 2021

## TECHNOLOGIES

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Rust | Typescript | Java

React | SQL | Scala

ZIO | NextJS | Tokio

gRPC | Tailwind | NoSQL

Kafka | GraphQL | AWS

Elasticsearch | Docker

## ORGANIZATIONS

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### **Gauche Labs, Founder** [↗](#)

Feb 2024 – present

A pioneering developer collective dedicated to enriching the Rust web development ecosystem by crafting foundational libraries for full-stack frameworks

### **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