Michael Smith

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EXPERIENCE

LogRocket

Lead Software Engineer   July 2023 - Present

- Tech lead for LogRocket's data platform team, responsible for the database infrastructure and querying layer that powers LogRocket's product analytics features; ingesting more than 100,000 events per second and serving hundreds of queries per second. Serve as organization-wide subject-matter expert on ClickHouse.
- Work with product and engineering stakeholders to define the long-term roadmap of LogRocket's data platform in alignment with the needs of product engineering teams and the business' strategic goals.
- Lead the migration of LogRocket's ClickHouse infrastructure to ClickHouse Cloud, saving approximately $30,000 per month in infrastructure spending while improving the capability of the data platform.

Senior Software Engineer   April 2021 - July 2023

- Co-lead the migration of LogRocket's analytics backend from Elasticsearch to ClickHouse, reducing operational expenses by more than $100,000 per month with improved query performance and reliability.
- Refactored LogRocket's billing integration with Stripe to support billing for mobile session data, accounting for more than 10% of annual recurring revenue.
- Designed and implemented a ClickHouse-backed timeseries alerting engine powering thousands of customer-facing alerts.

EveryAction / NGP VAN

Software Team Lead   January 2020 - April 2021

- Lead a four-person Scrum team developing core fundraising features in EveryAction's flagship SaaS product. Coached and delivered direct feedback to software engineers to promote technical and professional growth.
- Delivered projects including performance-sensitive financial reporting, data visualization, data management, integration with external platforms, and automated testing.

Software Engineer   May 2019 - December. 2019

- Developed full-stack software solutions for non-profit fundraising within EveryAction's large-scale, multi-tenant, SaaS CRM using ASP.NET, React, and T-SQL (Microsoft SQL Server).
- Formalized my team's release process to ensure smooth and reliable releases with minimal production issues.
- Wrote and optimized performance-sensitive reporting queries to enable sophisticated fundraising analysis for our clients.

Boston Children's Hospital

Full-Stack Co-op   January 2018 - June 2018

- Designed and implemented a physician shift-scheduling application used concurrently by dozens of physicians using Spring, Oracle SQL, and Vue.js.

Resonate

Software Engineering Intern   June 2016 - January 2018

- Developed and maintained core features for Resonate's flagship SaaS platform for machine learning-based marketing insights, with a scalable REST-based microservice architecture using Java with Spring Boot, Hibernate, and PostgreSQL.

EDUCATION

Northeastern University

B.S. in Computer Science   Graduated May 2019

- Honors: *magna cum laude*
- TA for Object-Oriented Design (Fall 2018) and Programming Languages (Spring 2019)
- Courses include: Algorithms & Data • Object-Oriented Design • Computer Systems • Programming Languages • Compilers • Theory of Computation • Networks & Distributed Systems

SKILLS

Languages: JavaScript & TypeScript • Python • C# • Java • OCaml • C
Frameworks: Node.js • React • Django • .NET Framework • Spring
Tools: ClickHouse • git • Kubernetes • Elasticsearch • Google Cloud Platform