NATHANIEL MAY

Senior Software Engineer   774-253-1942

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EXPERIENCE

dbt Labs

Engineering Manager   May 2022 – Feb 2024

· Expanded the dbt ecosystem by working with partners such as Snowflake, Databricks, Google, and
  Microsoft with input from product, developer experience, OSS users, and enterprise customers.
· Balanced the vast variety of customer needs by shipping 11 distinct packages to customers.
· Minimized negative impact to dbt Cloud customers and improved product resiliency by leading
  incident responses and by prioritizing and owning follow through actions.
· Accelerated the engineering hiring pipeline by conducting nearly 100 interviews evaluating
  technical and EM skills, and created a new systems architecture interview for staff engineers.
· Fostered development across teams with monthly lightning talks, assisting organizers of the
  mentorship program, forming long-term coaching relationships, and delivering trainings on coaching.

Senior Software Engineer   Feb 2021 – May 2022

· Improved performance of dbt Core with a new static parser powered by tree-sitter and Rust which
  reduced file parse times by a factor of 1000 from from 300ms to 300µs enabling customers
  to scale their projects with thousands more models without additional overhead.
· Moved dbt towards enterprise readiness by leading a team of engineers to build a new
  subsystem for structured logging allowing programmatic access to internal state both by cloud
  teams and external developers—a key feature for the 1.0 stable release.

Fauna

Engineering Manager   Jan 2020 – Dec 2020

· Led the Queries and Drivers team with four direct reports who maintained open source drivers in
  JavaScript, Python, Java, Scala, Go, and C#; a GraphQL extension; and core database modules
  including the query language, authentication, authorization, and indexing.
· Increased predictability and efficiency of the engineering department by pioneering live team
  tracking dashboards in Jira, introducing async team stand-ups, conducting an engineering-wide
  consolidation of synchronous meetings, standardizing code review practices, and starting release-
  based retrospectives across all four engineering teams.
· Minimized negative impact to FaunaDB customers by leading incident response and follow through.

Senior Software Engineer   Jan 2019 – Jan 2020

· Matured the Fauna Query Language by adding new functions and runtime semantics in Scala.
· Reduced the maintenance burden for client developers by designing a new query versioning system
  to guard against semantic changes in new cloud database versions.
· Increased product resiliency by improving distributed systems tests in Scala for the core database.
· Increased client developer productivity by reducing index build times from minutes to seconds and
  making sweeping changes to error readability.

iRobot

Senior Software Engineer   Sep 2018 – Jan 2019

· Sped up development time for creating new serverless microservices and pipelines by developing a
  general purpose Scala library for creating AWS lambda-based microservices.
· Significantly reduced operating costs by building a fast, serverless Scala pipeline to replace the
  existing Python infrastructure.

MongoDB

Consulting Engineer   Aug 2015 – Mar 2018

· Grew relationships between MongoDB and their customers with weekly travel to more than 50
  companies to unblock developers, firefight production incidents, plan engineering roadmaps, and
  advise technical leads on best practices for data resiliency, optimization, and scalability.
· Increased confidence in the company and product by clearly communicating the business impact of
  technical changes with in person presentations to client executive teams and delivering official
  detailed written technical reports.
· Expanded client skillsets and independence by delivering week-long basic and advanced
  instructional courses to developers and database administrators.

Red Hat

Consulting Engineer   Sep 2013 – Aug 2015

· Embedded as a Java Software Engineer with clients in government and healthcare.
· Contributed new features to client products and dev tools, and trained new client developers.

SKILLS

Leadership · Coaching · Project Management · Distributed Systems · Databases · Data Analytics
Programming Language Design · Functional Programming · Technical Documentation

LANGUAGES

Rust · Haskell · Scala · PureScript · Python · TypeScript · Javascript · Java

EDUCATION

University of Massachusetts Amherst   2013

B.S. Computer Science, Mathematics | Artificial Intelligence Research