

NATHANIEL MAY

Engineering Manager

Simplicity · Honesty · Community · Creativity · Advocacy

Summary

Passionate about reliable and easy-to-use software with customers first in mind. Extensive remote experience with a focus on growing and building efficient teams that take ownership, master new skills, and celebrate diversity.

Experience

Fauna

Jan '19 – Present

Engineering Manager

- Lead the Queries and Drivers team with four direct reports.
- Improve engineering operations by pioneering live team tracking dashboards in Jira, introducing effective asynchronous team standups, conducting an engineering-wide consolidation of synchronous meetings, standardizing code review practices, and starting release-based retrospectives across all four engineering teams.
- Create an atmosphere of trust and honesty where engineers grow rapidly and ask to take on more responsibility.
- Exercise project management across open source drivers in JavaScript, Python, Java, Scala, Go, and C#; a GraphQL extension; and core database modules including the query language, authorization and authentication, and indexing.
- Document production events by investigating and presenting written analysis documents outlining relevant action items to prevent future incidents.
- Plan product roadmap in cooperation with the executive team.
- Collaborate with HR to design and implement a new engineering onboarding experience.
- Execute product goals, enable client support, and coordinate dependencies.

Senior Software Engineer

- Improved the Fauna Query Language in Scala with new functions and runtime semantics.
- Designed and implemented cloud-safe query versioning to keep existing applications safe from semantic changes included in future database versions.
- Wrote and modified distributed systems tests in Scala for the core database.
- Improved error reporting and index build times from minutes to seconds.

iRobot

Sept '18 – Jan '19

Software Engineer

- Developed a Scala library for creating AWS lambda-based microservices, which sped up development time for creating new serverless microservices and pipelines.
- Built a fast, serverless Scala pipeline to replace the existing Python infrastructure and significantly reduce operating costs.

MongoDB

Aug '15 – Mar '18

Consulting Engineer

- Improved client operations at more than 50 companies by advising technical leads on solutions and best practices for data resiliency, optimization, and scalability.
- Communicated the business impact of technical changes with client executive teams.
- Documented solutions and official recommendations by writing and delivering detailed technical reports to every customer.
- Trained developers and database administrators by delivering week-long basic and advanced instructional courses.
- Responded to production software emergencies onsite with customers.
- Addressed client concerns with remote and in-person consulting to debug code, review deployment architectures, assess system health, and plan engineering roadmaps.
- Created code for production, testing, and developer education.

Red Hat

Sep '13 – Aug '15

Consulting Engineer

- Advised clients on new engineering strategies and alternate scalability solutions.
- Developed new product features and resolved defects in Java and JavaScript.
- Analyzed, improved, and optimized the performance of production code.
- Contributed new features to development tools, and trained new client developers.
- Documented service functionality for government archives.

Intel

May '12 – Sept '12

Technical Intern

- Designed and implemented software solutions for engineers using SQL, Excel, VBA and VB.
- Automated analysis and visualization of large production data sets.
- Negotiated the needs of the yield department during a company-wide database merger.
- Taught several courses on Microsoft Excel macros.

Skills

Team Building · Project Management · Client Relations · Jira · Technical Documentation · Databases · Distributed Systems · Programming Language Design · FP

Languages

Haskell · Scala · Javascript · Python · Java

Education

University of Massachusetts Amherst

2013

B.S. Computer Science, Mathematics

References available upon request