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 — Remote
— 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 — Remote
— 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 — Remote
— 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 — Remote
— 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 — Remote
— 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 — Hudson, MA
— 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