JASON JACK

SENIOR SOFTWARE AND SERVICES ENGINEER

jasonajack@gmail.com
(607) 321-3137

Summary

Senior Software Engineer

Eight years of experience in designing and maintaining advanced solutions for MongoDB, MariaDB, and custom databases.

Innovative Services Engineer

Innovating enhancements in DevOps environments and high availability, virtual developer workspaces with a focus on scalability and security.

Dedicated Technical Lead

Managing small teams of engineers through Development, Test and Integration, and product Delivery across multiple DoD contracts.

Technical

Java & Groovy	MongoDB, Oracle, MariaDB	Gradle, Maven, Make, CMake
Glassfish & Tomcat	GitLab & GitHub	Jenkins & TeamCity
Docker, KVM, oVirt	HTML5/CSS3/JS	NodeJS & ReactJS

Experience

Verisign

Java Developer

October, 2017 - Current

Worked as part of a team of Java Developers on a set of database microservices using Java, Gradle for builds, Ansible and TeamCity for deployments, MongoDB, EclipseLink JPA, and Hazelcast. Met and exceeded all user stories as part of a fast-paced Agile development plan through Q4 2017.

Lockheed Martin

Data Storage Developer

2009 - October, 2017

Maintained a custom, Java-based Data Storage Service handling Terabytes of streaming sensor data across a distributed network. Implemented design improvements in multiple iterations of software deliveries within 80% of allocated budgets, and improved read performance by 200% and write performance by 50%.

Modern Storage Solutions

2016 - October, 2017

Implemented a new, low-latency video streaming database using Java+Jetty, MongoDB, and HDFS yielding a 300% improvement over the existing storage solution in throughput and latency of write operations.

Services Lead

2016 - October, 2017

Innovated new DevOps environment for a shared Development and Production platform using GitLab, Jenkins, Artifactory, Gradle, and Docker. Lead team of four developers through SCRUM Agile development, creating an environment that functions to scale, and yields an 85% reduction in build time.

Research and Development Engineer

2016 - October, 2017

Implemented and maintained an HTML5/CSS and React.js cluster management framework, designed to create, monitor, and manage project-specific virtual systems. The design integrated NodeJS services with MongoDB for metrics gathering, Marathon/Mesos for VM applications, Open vSwitch for isolated networks, and React.js serving the web frontend views.

Awards

Lockheed Martin SPOT Awards

Modernizing Legacy Code

July 2014

Improved code sharing between large projects and migrated legacy software to a modern toolset using Git.

Product Delivery Improvements

May 2016

Improved product delivery methods by implementing a utility that coordinated and executed builds of over 90 Git repositories in proper sequence.

Education

Rochester Institute of Technology

Bachelor of Science in Computer Engineering

Rochester, NY - October 2009