

JASON JACK

SENIOR SOFTWARE AND SERVICES ENGINEER

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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 C & C++11 MongoDB GitLab Qemu KVM	HTML5/CSS3/Javascript Git & Subversion MariaDB Jenkins Marathon + Mesos	NodeJS & ReactJS Linux (RHEL, CentOS, Mint) Gradle, Maven, Make & CMake Docker oVirt
Experience	Lockheed Martin Data Storage Developer 2009 - Current 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 - Current 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 - Current 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. Infrastructure Developer 2016 - Current Lead team of Services, Infrastructure, and IT engineers through procurement of cluster hardware to design a RHEL oVirt system to improve our DevOps environment. The design reduces hardware costs by 50-75% for delivering new products while improving High Availability and Data Recovery strategies. Research and Development Engineer 2016 - Current Implemented and maintained an HTML5/CSS and React.js cluster management framework using Node.js, designed to swiftly create, monitor, and manage project-specific virtual systems. The design integrated with MongoDB for metrics gathering, Marathon/Mesos to control virtual machine applications, Open vSwitch to create isolated networks, and React.js to serve the web frontend views.		
Awards	Lockheed Martin SPOT Awards Modernizing Legacy Code July 2014 Improved code sharing between large contracts, drove down Development costs by migrating legacy software to a modern toolset using Git. Product Delivery Improvements May 2016 Improved product delivery methods by implementing a utility which coordinated and executed builds of over 90 Git repositories in proper sequence, generating build and changelogs for customer review.		
Education	Rochester Institute of Technology Bachelor of Science in Computer Engineering Rochester, NY - October 2009		

