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JASON LANTZ

SITE RELIABILITY ENGINEER

Results-oriented Software Engineer showcasing over 20 years of developing, deploying, and optimizing high-performance applications in the private sector. Proven track record in improving software reliability, performance, and scalability through innovative problem-solving and technical expertise. Strategic project team leader known for being encouraging, attentive, accountable, and reliable, with a commitment to helping others and valuing their input. Passionate about transitioning into a Site Reliability Engineer role to apply a deep understanding of software engineering principles to enhance system reliability and operational excellence.

CAREER HIGHLIGHTS

- **Python API & React Frontend Development**: Collaborated with a small team to build a Python API and React frontend using the SpiffWorkflow library.
- **Continuous Delivery Implementation**: Led the transition of deployment processes for 30+ applications to continuous delivery using Docker and Kubernetes.
- **Agile Project Management**: Fostered a culture of continuous improvement and ensured timely feature delivery through active participation in Agile ceremonies, including daily stand-ups, sprint planning, and retrospectives.

SKILLS & EXPERTISE

Reliability Engineering | Incident Management | Monitoring & Alerting | Automation | System Architecture | Infrastructure as Code | Cloud Computing | Performance Optimization | Capacity Planning | Disaster Recovery | Configuration Management | Continuous Integration | Continuous Deployment | Log Analysis | Network Security | High Availability | Scalability | Load Balancing | Scripting | Troubleshooting | Root Cause Analysis | Fault Tolerance

PROFESSIONAL EXPERIENCE

Sartography | Staunton, VA   **2022 – Present**
Software Engineer
Key Highlights

- Delivered up to a 97% reduction in API response times by innovating solutions to optimize SpiffWorkflow's performance through code refactoring and database query optimization.
- Achieved alignment with project goals and deadlines by collaborating cross-functionally with product management and design teams to gather requirements and translate them into technical specifications.
- Improved team collaboration and adherence to coding standards by mentoring junior developers in best practices for code quality and version control using Git.
- Monitored multiple client and open source forums, resolving critical production issues and implementing preventative measures to support clients and grow the community.
- Increased test coverage and ensured high code quality and reliability by conducting regular code reviews and implementing automated testing strategies.
- Fostered a culture of continuous improvement and delivered features on schedule by actively participating in Agile ceremonies such as daily stand-ups, sprint planning, and retrospectives.

SpiffWorkflow Library

Collaborated on a ten-person team to architect, develop, and maintain SpiffWorkflow, a web application enabling BPMN diagram creation and execution.

- Enhanced workflow automation and efficiency for business process management by leading the team in developing a Python API and React frontend using the SpiffWorkflow library.
- Optimized backend functionality and performance by designing and implementing a Python API with Flask.
- Improved user interface and experience by engineering a responsive frontend using TypeScript and React.
- Decreased setup time by automating infrastructure deployment using Terraform and Kubernetes.
- Minimized build and deployment errors by implementing a streamlined CI/CD pipeline with GitHub Actions.

Rosetta Stone | Harrisonburg, VA   **2003 – 2022**
Software Engineer: 2013 – 2022

Automation and Efficiency Improvements
- Reduced deployment errors by integrating and monitoring automated acceptance testing to ensure build quality before production.
- Dockerized all of the company's applications, approximately 40 Ruby, Java, and Node.js microservices.
- Reduced deployment time from 2 week cycles to on-demand, and improved scalability.
- Improved build reliability by reworking the CI process to primarily build within Docker containers.
- Improved code management efficiency by developing automation scripts to transition 15+ applications and 50+ libraries from Subversion to Bitbucket-server and ensure adherence to current configurations and conventions.
- Developed and implemented a series of scripts to automate the setup of developer environments, providing seamless interaction with Kubernetes clusters and equipping developers with essential tools.
- Streamlined the development process and enhanced productivity by expanding upon Thoughtbot dotfiles to better support our specific use cases, incorporating several commands.

Deployment and Scalability Enhancements
- Improved project delivery timelines by revamping and streamlining development and deployment processes within the DevOps team.
- Reduced the deployment cycle from two weeks to real-time by implementing continuous deployment.
- Migrated 40+ applications to Docker and Kubernetes to improve scalability and resource management.
- Led the upgrade of 100+ MySQL servers to MySQL 8, including developing scripts for safe automatic deployment of affected applications to reduce manual intervention.
- Established and maintained a Jenkins instance, configured over 40 applications to use it, and created a shared library for seamless integration.

Associate Configuration Engineer: 2009 – 2013
- Developed and maintained Rails applications for internal information gathering that enhanced data retrieval and visibility, including a fully searchable internal gem displayer.
- Ensured on-time project completion despite constantly changing priorities and strict deadlines by implementing strategies to improve team efficiency and project delivery rates.
- Boosted application maintainability and usability by converting PHP web applications to the Rails framework, including implementing numerous fixes and optimizations.
- Standardized code and improved maintainability across projects by designing and implementing gems and Rails engines to unify applications.
- Wrote and maintained automation scripts to efficiently complete tasks, reduce manual workload, and increase overall productivity.

Data Production Technician: 2008 – 2009
- Reduced processing time by 50-75% in various tasks by developing and optimizing automation scripts using Ruby, Perl, Java, and Visual Basic.
- Increased script reliability and reduced error rates by refactoring and enhancing existing scripts to improve usability and error handling.
- Improved data management efficiency and accessibility by designing, developing, and maintaining an archiving system in Intuit QuickBase.
- Enhanced team efficiency and met 100% of project deadlines by developing processes to ensure on-time project completion despite constantly changing priorities and strict deadlines.
- Acted as the main support and improved quality control processes by setting up testing environments and writing verification scripts for the Silver Check transition from QA to QC.

ADDITIONAL EXPERIENCE

Software Testing Analyst at Rosetta Stone: 2003 – 2008

EDUCATION & TRAINING

James Madison University, Harrisonburg, VA
Bachelor's in Computer Science

Blue Ridge Community College, Weyers Cave, VA
Associate's in Liberal Arts

TECHNICAL SKILLS

Languages: Ruby, Python, React, Typescript, Bash
Other Tools: MySQL, Github, Terraform, Kubernetes, Docker
Operating Systems: Windows, Mac OS X, Linux (Ubuntu)