SARTOGRAPHY

510 Victoria Dr., Staunton, VA 24401 • (540) 457-0024 • dan@sartography.com

# 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**

**Jason Lantz** (540) 421-6119 | lantzjc64@gmail.com

***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) |