

Brian Rogers

LinkedIn.com/in/brian-rogers-he-him-30923021/ • brian@th3rogers.com
Tucson, AZ 85718 • (520) 705-4980 • <https://github.com/th3raid0r>

SUMMARY

Enthusiastic DevOps evangelist dedicated to advancing developer velocity through cloud technology with 10+ years of professional experience. Passionate about Information Technology category-defining tech products in the market. A proven ability to take initiative and the discipline to execute final products with attention to design, planning, and overall management. Seeking to utilize narratives, storytelling, and somatic engagement to influence the hearts and minds of developers through product enablement and developer empathy.

EXPERIENCE

Aerospike, Mountain View, California - Remote, USA
Cloud SRE (Software Reliability Engineer)

Apr 2022 – Present

Notable Achievements:

1. Wrote a handful of support scripts that reduced operational errors approximately 20%.
2. Discovered a bug that resulted in approximately 5-10% disk IO degradation in GCP environments and resolved it.

Duties:

- Delivered Customer Environments through use of Infrastructure as Code (Packer, Terraform, Ansible)
- Maintain and Troubleshoot Customer environments using Grafana and Prometheus as well as direct SSH access to the environment
- Research and Implement new features for the ACS (Aerospike Customer Managed Services) platform - particularly updating our OpenVPN stack to Tailscale (wireguard)
- Assist other teams and departments with their Infra as Code, deployment methods, and other areas involving a deep understanding of Operating Systems.
- Develop new terraform and ansible modules and enhance existing ones. Particularly enabling and configuring cloud agents that enhance IO performance.
- Improve monitoring thresholds to increase system visibility and reduce alert fatigue.
- Drive enhancements to our reliability by investigating cross-cloud solutions, improving high availability architecture, and increasing guardrails around operations through automation.
- Last, but certainly not least, perform manual and automated operations as needed for customers.

Propstream, California - Remote, USA
Lead DevOps Engineer

Apr 2021 – Apr 2022

Notable Achievements:

1. Reduced Mean Time to Respond by 50% by implementing modern AWS tooling into EC2 images allowing developers to perform approved troubleshooting as defined by their role.
2. Increased team velocity by 20% by introducing common branching strategies, automated build/integration checks, and simplifying deployment patterns.
3. Introduced a new password paradigm to decrease incidence of forgotten credentials and enhance organizational security.
4. Led 3 other DevOps engineers to create the first CI/CD pipelines in Codepipeline and automated changes to these pipelines via terraform templates. Delivering CI/CD for infrastructure alongside the application.

Duties:

- Maintain, Fix, and Improve legacy infrastructure through use of Infrastructure as Code (IAC), well defined image pipelines, and enhanced management capabilities.
- Plan, architect, and support new work - particularly around security, integration, and stability.
- Help lead a cross functional development team by:

- Advising the team on appropriate technologies for microservices and apps.
 - Provide easy-to-use templates, wrappers, and applications to increase team momentum.
 - Automate QA and Development environment tasks to increase reproducibility of issues.
- Lead a team of contracted DevOps engineers to implement new pipeline patterns, enhance existing tooling, and provide rich templates and documentation.
- Work with external security vendors to perform penetration tests and vulnerability scans.
- Implement policies and procedures around information security, employee workstations, password management, PCI environment standards, and much much more.
- Introduced company-wide password management software and training employees on its appropriate use.
- Continuously improve email deliverability and spam filters through use of common email security features.
- Plan, implement, and perform onboarding and offboarding to sensitive systems.

Navex Global, Oregon, USA

Jun 2019 – Apr 2021

DevOps Engineer

- Maintain code compilation and deployment pipelines built in TeamCity, Octopus Deploy, and AWS Codepipeline.
- Drive progress in full CI/CD by optimizing existing deployments, reducing operational complexity (feature flags, parameters, just-in-time configuration)
- Research and Implement new helpers/features to enhance development - particularly Service Mesh concepts
- Migrate local/teamcity build processes to cloud infrastructure (codebuild/codepipeline)
- Build and Maintain “legacy” containers for use by TeamCity. These were windows containers with particularly old versions of .NET framework that doesn’t typically support container runtimes.
- Document and improve automation around environment and pipeline creation, improving the speed of new product deliveries.
- Manage git repositories and branching strategies with a focus on Developer enablement and “always buildable” main branch.
- Maintain multi-environment octopus deploy configurations with complex dependencies on AWS tools.

Incomm Digital Solutions, Oregon, U.S.

Nov 2015 – Jun 2019

Systems Engineer

- maintained the stability of high value production systems using LogicMonitor, New Relic, and other monitoring technologies.
- Aid in the development of Continuous Delivery and Continuous Deployment procedures by providing key feedback from an operational perspective.
- Work with new technologies and large projects affecting large portions of our business. In particular:
 - Implement Consul in each of our environments as a service fabric and service discovery layer.
 - Plan new data pipeline processes
 - Plan and execute large SQL and RAVENDB migrations
 - Research, plan, and implement changes in preparation for new .NET Core services.
 - Implement HashiCorp Vault to integrate, automate, and secure secret and credential rotation.
 - Also utilize HashiCorp Vault to serve as an internal Certificate Authority allowing for certificate based authentication.
 - Implement Ansible playbooks to create build machines and production base images for Web servers.
- Plan and Execute infrastructure change requests.
- Develop Powershell/DSC Scripts to facilitate automated deployments from our Continuous Delivery chain.
- Work with Product and Development teams to prepare environments for upcoming changes and new services/products.
- Create and maintain updated documentation in regards to common issues with our software and common fixes.
- Audit environment security and plan necessary changes to remain PCI and HIPAA compliance.
- Create training material to cross-train other team members.

Application Support Specialist

- Maintaining the stability of our large financial transaction database with proactive monitoring and alerting.
- Create and Maintain deploy projects within Octopus Deploy to deploy to multiple environments.
- Create, Optimize, and Update automated monitoring and alerting leveraging LogicMonitor, New Relic, and Splunk.
- Plan infrastructure change requests with our datacenter provider, Rackspace.
- Develop SQL and Shell scripts to fix customer data issues such as incorrect order data, malformed or incorrect financial data, localization, and more.
- Work with Product and Development teams to identify high priority bugs and represent our customers to management.
- Interface with Operations department to provide ad-hoc SQL and SSRS reports on customer data and provide technical assistance.
- Create and maintain updated documentation in regards to common issues with our software and common fixes using confluence.
- Create training material to cross-train other team members on the use of Third Party and internal tools.
- Analyze system and platform metrics in order to improve performance. Such as identifying problematic SQL calls, application resource contention, and network performance issues.

NTT America, Florida, USA

May 2014 – Oct 2015

SCM Engineer - MSI Installers and Builds

- Build, maintain, and configure code releases internally and to clients based on client and developer requirements.
- Automate release process using shell scripting such as BASH and Powershell as well as Bamboo Task engine.
- Work with the team to improve standards as well as procedure to offer timely iterative releases.
- Build and automate MSI/EXE installer creation using Installshield, Bamboo, Artifactory, and Jenkins.
- Work with developers and management to enhance installers with Installshield and add dynamic configuration functionality for rapid automated deployments using Powershell, BASH scripting, and .NET C#.
- Facilitate migrations to new and updated platforms with the assistance of System administration.
- Create standardized Selenium tests to ensure new platforms are stable and pass a basic smoke test.
- Create RPM packages for RHEL and CentOS.
- Maintain build servers and processes.
- Maintain build software such as Maven, Gradle, MSBuild, Visual Studio and more.
- Enhance our Continuous Integration environment by automating API calls between applications and creating simplified models for complex user actions.
- Create custom Atlassian Plugins when REST api lacks certain functionality.
- Work with System Administration departments to outline Puppet and Chef configurations so they are compatible with the rest of Continuous Integration.

Compucom, Arkansas, USA

Nov 2013 – May 2014

Unix/Linux System Administrator II

- Administered and managed UNIX and Linux systems within the Wal-Mart home office and store environment.
 - OS's: HP-UX, AIX, and SuSE Enterprise Linux
 - Technologies:
 - Web Services
 - Clustering
 - Storage Arrays
 - Tape Backups
 - VMWare
 - XEN Hypervisor
- Duties:

- Incident Response
- Monitoring Script Creation
- Hotfix Script Creation
- Hardware Dispatches
- Root Cause Analysis

L. J. Smith and Associates (now Kitestring), Arkansas, USA

Sep 2013 – Nov 2013

Release Engineer

- Create and maintain deployments to IBM-4690 Operating Systems and walmart SCO lanes
- Design release cadences, pilot plans, and provide support to product management.
- Perform manual deployments.
- Troubleshoot failing deployments and use learnings to improve the process.

IPRO Tech, Arizona, USA

Jan 2012 – Sep 2013

Release Engineer

- Create Installshield Packages for all IPRO products
 - eScanIt
 - Copy+
 - Ipro Suite (very legacy)
 - ecapture
 - allegro
 - eclipse
- Troubleshoot faulty installer logic
- Outlining, designing, and implementing future installer functionality
- Communicate with development stakeholders to determine installer requirements.
- Communicate with product management stakeholders to create a unified experience for IPRO installers.

EDUCATION

Casa Grande Union High School, Arizona, USA

Diploma with Honors

SOFTWARE, SKILLS & INTERESTS

Technical: Docker, docker-compose, AWS Codebuild/CodePipeline, AWS KMS, AWS EC2, AWS ECS, AWS Copilot, AWS DynamoDB, AWS RDS, AWS Aurora RDS, Hashicorp Vault, Consul, Terraform, Ansible, KVM, QEMU, VFIO, Octopus Deploy, Powershell, BASH, ZSH, NextCloud, nginx, DNS, DHCP, Networking, Firewalls, Linux, Unix, MacOS, containerd, kubernetes, Jira, Bitbucket, Confluence, Bamboo, Apache, wildfly, JBOSS, java, security auditing, dependency scanning, static code analysis, application performance monitoring, centralized logging

Interests: my homelab, hiking, archery, Renaissance Festivals, board gaming, tabletop gaming, strategy gaming, psychology, sociology, political science, hanging out with friends.