BRENDAN BYERS

SITE RELIABILITY ENGINEER, SYSTEMS ADMINISTRATOR

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Experience

IBM — Technology Business Management — Nov.2023-Current
Site Reliability Engineer L7
- Managed the multi-account, multi-continent production network for both internal and external services.
- Responsible for managing the underlying Kubernetes infrastructure for internal teams and customers.

Apptio — Technology Business Management — Aug. 2019-Oct. 2023
Site Reliability Engineer II
- Administered global datacenter infrastructure, including hardware and software for virtualization and storage clusters
- Created and managed the cloud-based Global Transit Network, providing core routing for all service environments
- Migrated core services from on-premises datacenters to the cloud, including customer authentication, DNS, and core networking

Kannact Inc. — Diabetes Tracking and Management Solutions — Aug. 2018-June 2019
IT, Systems Administration and Consulting
- Safeguarded patient health information by adhering to HIPAA guidelines and ensuring secure storage and management.
- Designed, implemented, and managed comprehensive network architectures for both local and remote offices, enhancing security and connectivity.

Open Dental — Open-Source Dental Practice Management Software — Apr. 2017-Apr. 2019
Software Engineering
- Developed user interfaces and business logic using C# and MySQL, enhancing usability and functionality.
- Implemented user authentication code following modern NIST security practices, ensuring robust data protection.
- Created automation for generating internal and customer-facing database documentation and version release notes, streamlining processes and improving efficiency.

Education — Computer Science; Emphasis on Security — Graduated 2019
Oregon State University
- Capstone Project: Collaborated with a team from Hewlett Packard to develop and test a virtualization solution for existing hardware using containers and CI/CD pipelines, demonstrating the practical application of theoretical knowledge in real-world scenarios. Additionally, expanded my understanding of computer history through various coursework.

Skills

Full Stack Development and Engineering

Proven ability to architect, build, and manage full-stack services, from front-end user interfaces to back-end server logic, utilizing a variety of technologies including Kubernetes, CI/CD pipelines, automated testing, deployment strategies, global availability, fault tolerance, networking, and SLO/SLI monitoring.

Problem Solving

Skilled at quickly identifying and resolving complex issues, utilizing analytical thinking to develop effective solutions. Confident in troubleshooting and improving processes to enhance efficiency and performance.

Software Development

Demonstrated proficiency in software development across various stages, from initial design to production deployment. Experienced in working with both new and legacy codebases, ensuring seamless integration and scalability. Proficient in multiple programming languages and frameworks, allowing for rapid adaptation to evolving project requirements.

Technical

Kubernetes, Swarm, Docker	Load Balancing, TLS, Autoscaling	Git, GitOps, Grafana, Argo
Terraform, Ansible, Puppet	DC+Multi-Cloud Networking	CI/CD Platform Automation
AWS, Azure, Digital Ocean, Linode	DNS, IPAM, BGP, IPSec	Python, C, C#, PHP, SQL, Shell
Prometheus, MySQL, SQlite, Postgresql	Security/Cryptography Primitives	Yaml, Json, Jsonnet
Datacenter Hardware Administration	Cisco, Fortinet	OS: Debian, Centos, *nix, Windows