BRENDAN BYERS

SITE RELIABILITY ENGINEER, SYSTEM ADMINISTRATOR

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Experience

IBM — Technology Business Management — Nov.2023-Current
Site Reliability Engineer L7
- Continued management of multi-account, multi-continent production network for internal and external services
- Manage underlying Kubernetes infrastructure for internal teams and customers

Apptio — Technology Business Management — Aug. 2019-Oct. 2023
Site Reliability Engineer II
- Administrator of global datacenter infrastructure, including hardware and software for virtualization and storage clusters
- Creation and administration of cloud-based Global Transit Network, providing core routing for all service environments
- Performed migration of core services from datacenter to cloud, including customer authentication, DNS, and core networking

Kannact Inc. — Diabetes Tracking and Management Solutions — Aug. 2018-June 2019
IT, Systems Administration and Consulting
- Ensured secure storage and management of patient health information following HIPAA guidelines.
- Design, implement and manage network design and security for local and remote offices.

Open Dental — Open-Source Dental Practice Management Software — Apr. 2017-Apr. 2019
Software Engineering
- Programmed UI and logic for dental software using C# and MySQL.
- Designed and implemented user authentication code utilizing modern NIST security practices
- Created automation that generated internal and customer-facing database documentation and version release notes

Education — Computer Science; Emphasis on Security — Graduated 2019
Oregon State University
- Capstone Project: Worked with Hewlett Packard and room-scale printer mainframe to prove the viability of virtualizing existing hardware and software using containers and CI/CD. Additional extensive coursework in History.

Skills

Full Stack Engineering

Proven ability to architect, build, and manage full service stacks, from core application code to virtualization, automated testing, deployment, global availability, fault tolerance, networking, and SLO/SLI monitoring.

Problem Solving

Able to quickly orient and overcome obstacles to successfully solve issues at hand. Able to analyze and troubleshoot issues to find solutions that are researched, cost-effective and realistic.

Software Development

Experienced at both starting projects from scratch, and inheriting legacy codebases. Not afraid unfamiliar languages and systems. Able to grok codebases with ease and write clear, concise code with high-quality documentation.

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