

BROOKE BYERS

SRE & DEVOPS ENGINEER

Cloud Infrastructure, Kubernetes, and Finops Specialist

<https://b13rg.icecdn.tech/>
ByersBr@pm.me
(541) 979-6673

Skills

Cross-Cloud & Multi-Region Architecture Expertise

Designed and optimized cross-region, multi-cloud platform networks ensuring seamless cross-region, multi-cloud communication while maintaining fault tolerance and high availability

Automation & DevOps Excellence

Streamlined platform operations through AI automation and GitOps practices, reducing manual intervention by 70% and enabling scalable CI/CD pipelines with Argo CD and GitHub Actions

Incident Response & On-Call Leadership

Proven track record of resolving critical outages swiftly during on-call rotations, ensuring SLA adherence while minimizing downtime through proactive troubleshooting and automation

Experience

IBM Finops and AI Automation Nov. 2023-Apr. 2025
Site Reliability Engineer II L7

- Successfully managed a multi-account, multi-continent production network for both internal and external services.
- Constructed and maintained the underlying Kubernetes infrastructure for internal teams and customers, resulting in vastly improved system availability and performance.
- Implemented AI automation tools to streamline routine tasks, reducing manual intervention by 70%
- Utilized AWS, Terraform, and Finops technologies to optimize resource utilization and improve cost-effectiveness.
- Technologies: Kubernetes, GitOps, Terraform, ArgoCD, Prometheus

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 network routing for all service environments.
- Migrated core services from on-premises datacenters to the cloud, including customer authentication, DNS, and core networking.
- Technologies: Datacenter Colo, Virtualization, BGP, Cisco, Juniper, Gitops, Puppet, Ansible

Kannact Inc. Diabetes Tracking and Management Solutions Aug. 2018-June 2019
IT, Systems Administration and Consulting

- Safeguarded patient health information by adhering to and going beyond HIPAA guidelines to ensuring secure storage and management of PII
- Designed, implemented, and managed comprehensive network architectures for multiple offices, enhancing security and connectivity for call center operations
- Technologies: Windows AD, Office Networking, Android App Development

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.
- Technologies: C#, MySQL, Cryptography, OpenGL, DirectX

Education B.S. 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 printer hardware using containers and CI/CD pipelines, demonstrating the practical application of theoretical knowledge in real-world scenarios.
- Extensive history coursework, focus on Russian industrialization.

Technical

Platform Engineering

Kubernetes, Docker, Terraform, Ansible, Puppet
AWS, Azure, Digital Ocean, Linode
Prometheus, MySQL, PostgreSQL
Cloud-Native Architecture, Infra-as-Code
Datacenter Hardware Administration
Finops technologies for cost optimization

Networking

BGP, TLS, Load Balancing, Autoscaling, IPAM, DNS
Multi-Cloud Networking, DC+Cloud architectures
Cisco, Fortinet, IPSec, Wireguard
TCP/IP, VPCs, subnets, and cloud topologies
HIPAA/SOC 2/FedRAMP compliance for secure network design

DevOps / Software Engineering

Git, GitOps, Argo CD, Github Actions
Golang, Python, C#, PHP, SQL, Shell scripting
Yaml, Json, Jsonnet, and configuration mgmt. tools
Security and cryptography primitives
Full-stack development
Legacy codebase integration and modernization