

# Samuel Plum

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Experienced DevOps Engineer with a strong background in cloud infrastructure, automation, and container orchestration. Skilled in designing scalable, reliable systems using modern tools and practices to optimize deployment pipelines and infrastructure management.

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## Skills

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### Scripting and Programming

Python, Javascript, Bash, Java, Perl, C++, C#

### Infrastructure as Code (IaC)

Terraform, Puppet, CFEngine

### CI/CD and Related

Git, GitHub, GitHub Actions, GitLab, Argo CD, Azure DevOps, Jenkins, Octopus Deploy, Docker, Packer, Helm, Kustomize, Jira, Confluence

### Orchestration and Administration

Kubernetes, Apache / Tomcat, Linux Administration, EC2

### Database and Queue Administration

MySQL, Postgres, CouchBase, RabbitMQ, Redis

### Monitoring Tools

DataDog, LogicMonitor, Prometheus, Nagios

### Cloud Environments

AWS, Azure, Rackspace, VSphere

### Networking

VPC / ELB / Route53, Istio, Netscaler, NetApp NFS

## Education

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### Oklahoma State University

Computer Science (No Degree)  
1997 - 2000

### AWS Cloud Practitioner Certification

### CompTia Network+ Certification

## Professional Experience

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### DevOps Engineer

*Greenshades Software* : 04/17/2023 - 08/01/2025

Led the development and maintenance of deployment pipelines and infrastructure in Azure Cloud, focusing on microservice deployment and infrastructure automation.

- Developed and maintained CI/CD pipelines in Azure DevOps for microservice deployment.
- Implemented infrastructure as code using Terraform, managing Azure resources.
- Streamlined deployment processes with Octopus Deploy, Argo CD, and Helm charts.
- Monitored system health and performance using DataDog and Splunk, ensuring high availability.

### MTS 2, Software Engineer - Cloud Infrastructure

*PayPal Inc / Happy Returns* : 01/05/2022 - 04/11/2023

Maintained and improved cloud infrastructure supporting the platform, focusing on high availability, scalability, and automation.

- Managed AWS resources including EC2, RDS, S3, and EKS clusters.
- Enhanced infrastructure automation with Terraform, Jenkins, Pulumi, and GitHub Actions.
- Led projects such as clustering OpenVPN, deploying monitoring agents via Terraform, and database sharding.

### DevOps Engineer

*ELocal.com* : 06/17/2019 - 12/15/2021

Consolidated and modernized deployment pipeline across multiple business units, adopting GitOps principles.

- Unified multiple pipelines into a single system using Kubernetes (EKS) and Terraform.
- Implemented GitLab for centralized repository management and CI/CD pipelines.
- Deployed Hashicorp Vault for secret management and Istio for service mesh routing.
- Enhanced system observability with Prometheus, Kiali, and Grafana.

### Senior Systems Engineer

*Advertise.com* : 01/07/2024 - 03/29/2019

Managed a large-scale advertising platform with automation and custom monitoring to ensure high performance.

- Automated system configuration with Puppet and developed custom deployment and verification tools.
- Automated documentation and monitoring process, reducing manual effort
- Developed custom scripts for system visibility and tested new technologies like RabbitMQ, ELK, and AWS VPC.