

BASIL T ALIAS

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SUMMARY

Cloud & DevOps Engineer with 3+ years of experience designing and managing scalable cloud infrastructure on AWS and Azure. Proven expertise in Kubernetes (EKS), CI/CD pipelines, Infrastructure as Code (Terraform, CloudFormation), and observability solutions. Known for improving system uptime to 99.9% and reducing deployment time by 50%. Passionate about automation, security best practices, and delivering cost-effective, high-performance cloud solutions.

SKILLS

- **Cloud & Platforms:** AWS, Microsoft Azure, Google Cloud Platform (GCP)
 - **Observability & Monitoring:** AWS CloudWatch, Nagios, CheckMK, PRTG
 - **DevOps & Infrastructure as Code (IaC):** AWS CodePipeline, CodeBuild, CodeDeploy, GitHub Actions, Jenkins, CloudFormation, Terraform
 - **Scripting & Automation:** Python (infrastructure/scripts), Bash, GitHub, Bitbucket
 - **Containerization & Orchestration:** Docker, Kubernetes (EKS, ECS), Helm, Ingress Controllers, Horizontal Pod Autoscaler (HPA)
 - **System Administration:** Linux (RHEL, Ubuntu, CentOS), Windows Server, LVM, file permissions, patching
 - **Database Management:** MySQL, MariaDB, PostgreSQL
 - **Security & Networking:** IAM, Security Groups, WAF, VPN (IPSec), routing, Microsoft Defender
 - **Tools & Productivity:** JIRA, Wireshark, Commvault, Microsoft 365 (Exchange, Intune, SharePoint)
 - **Professional Skills:** Agile methodologies, ITIL practices, root cause analysis (RCA), technical documentation, time management, critical thinking, adaptability, incident and problem management
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WORK EXPERIENCE

System Engineer, Blue Ripples Technologies

Oct 2022 – Mar 2023

- Ensured 99.9% uptime and optimized performance for 1000+ production servers.
- Deployed containerized applications using Docker and Kubernetes, reducing deployment time by 50%.
- Managed AWS infrastructure for 50+ clients, cutting costs by 30% via optimization.
- Implemented efficient CI/CD pipelines, increasing deployment efficiency by 40%.
- Led internal deployments, system maintenance, and performance tuning across dev/stage environments

- Provisioned and maintained 1,000+ Linux/Windows VMs, improving system efficiency by 40%.
 - Managed Oracle databases, Citrix Xen, and VMware environments, supporting 5,000+ users with 99.9% availability.
 - Monitored infrastructure using Nagios, PRTG, and CheckMK, improving issue detection by 30%.
 - Executed patching, backups, and system upgrades, achieving 100% security compliance.
 - Streamlined incident management, reducing average resolution time by 35%.
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PROJECTS

- **Scalable WordPress on AWS EKS** | <https://github.com/BasilTAlias/EKS-Project>
Deployed a highly available, containerized WordPress application using Docker, Helm, and AWS EKS. Manually provisioned VPC, RDS, IAM, Route 53, and CloudFront using AWS CLI. Implemented CI/CD with CodePipeline, dynamic scaling with HPA, observability via CloudWatch, and secured access using IRSA and ALB Ingress Controller.
 - **CI/CD Pipeline with Jenkins and Docker** | <https://github.com/BasilTAlias/CI-CD-Pipeline-with-Jenkins-and-Docker>
Built a CI/CD pipeline using Jenkins to automate Docker-based website deployment. Configured Jenkins server, GitHub webhook triggers, and container hosting with Nginx. Enabled passwordless SSH communication between Jenkins and Docker host, improving deployment speed and reliability.
 - **Infrastructure Automation with AWS CloudFormation** | <https://github.com/BasilTAlias/AWS-CloudFormation>
Automated deployment of a multi-tier infrastructure stack using AWS CloudFormation. Provisioned networking (VPC, subnets), compute (EC2), and security (SGs, HTTPS) layers. Demonstrated modular template design, IaC principles, and controlled stack updates using AWS CLI and Designer.
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CERTIFICATIONS

- Red Hat Certified Engineer (RHCE)
 - Red Hat Certified System Administrator (RHCSA)
 - AWS Cloud Quest: Cloud Practitioner
 - AWS Academy Cloud Security Builder
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EDUCATION

- Post Graduate Certificate in Cloud Computing Technologies — George Brown College, 2025
 - Post Graduate Certificate in IT Network Security — Conestoga College, 2023
 - Bachelor of Science in Computer Science — MG University, 2019
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