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734-545-4274

DEREK BERGER

SENIOR DEVOPS ENGINEER

PROFESSIONAL SUMMARY

Senior DevOps Engineer with extensive AWS cloud infrastructure and container orchestration expertise, leveraging over 16 years of experience to innovate and streamline complex workflows. Proficient in Terraform, Docker, and CI/CD pipeline design, with a strong focus on security-first strategies to enhance deployment efficiency and reduce costs. Passionate about delivering high-quality solutions and driving technological advancement in dynamic environments.

EMPLOYMENT HISTORY

AUG 2021 - FEB 2025

Lead DevOps Engineer, Loomly, Remote

- Standardized AWS infrastructure management using **Terraform** and Terraform Cloud, reducing deployment-related incidents and improving migration reliability.
- Streamlined deployments and reduced operational overhead by migrating legacy Elastic Beanstalk applications to **AWS ECS (EC2/Fargate)**, which increased deployment speed by 40% and simplified host patching processes.
- Enhanced CI/CD reliability and minimized manual errors by automating complex build and deployment workflows with Terraform Cloud, AWS, **GitHub**, and **CircleCI**, accelerating feature releases.
- Mitigated frequent security incidents by developing an automated **AWS WAF** monitoring and alerting system with Athena, Glue, Lambda, and Slack, accelerating threat detection and mitigation.
- Iteratively automated various processes and workflows using AWS Lambda functions written in **Ruby** and **Python**, reducing manual intervention while continuously enhancing operational efficiency.
- Integrated **DevSecOps** tooling into CI pipelines and workflows to increase visibility and responsiveness to potential vulnerabilities in both code and dependencies.
- Optimized AWS infrastructure spending by approximately 25% annually through strategic reserved instance management, instance sizing, and continuous evaluation of cost-effective technologies—balancing complexity with engineering bandwidth.
- Collaborated with developers during the service creation to enhance observability and implement comprehensive monitoring with **AWS CloudWatch**, including detailed metrics from various third-party APIs and supporting services such as Nginx, Puma, and Sidekiq.

OCT 2018 - AUG 2021

IT Solutions Architect, Progenity, Inc., Ann Arbor, MI

- Spearheaded cloud infrastructure modernization by deploying containers, streamlining the management of complex bioinformatics workloads.
- Standardized AWS infrastructure management by introducing **Terraform**, significantly reducing deployment errors and operational overhead.
- Boosted software delivery speed and reliability by establishing robust CI/CD pipelines with GitHub, **Jenkins**, Cake Build, **Octopus Deploy**, and AWS—minimizing manual tasks and reducing downtime.
- Engineered hybrid-cloud architectures and **network design**, strategically distributing workloads between AWS and on-premises environments to optimize performance and address network constraints.
- Enhanced system **observability** by deploying comprehensive monitoring solutions (AWS CloudWatch and Datadog) across distributed environments, ensuring proactive detection and resolution of issues.

AUG 2016 - SEP 2018

Account Executive, SHI International Corp, Southfield, MI

- Engineered customized technical solutions for mid-to-large enterprises across servers, storage, virtualization, data protection, and disaster recovery—delivering scalable, resilient IT infrastructures.
- Provided strategic guidance on selecting optimal application platforms and workload management strategies to enhance performance and operational efficiency.
- Developed and presented comprehensive technical proposals that aligned client business objectives with infrastructure solutions, driving maximized ROI.

DEC 2013 - AUG 2016

IT Supervisor, Biotronic NeuroNetwork, Ann Arbor, MI

- Managed comprehensive IT support operations and data centers to ensure secure connectivity for remote surgical monitoring across multiple hospital networks.

- Streamlined network infrastructure for over 300 users across 500+ hospitals by implementing robust network and VPN solutions, ensuring secure and reliable access for critical surgical monitoring.
- Led cross-functional teams to enhance network architecture, significantly improving the reliability of real-time medical monitoring.

AUG 2011 - DEC 2013

Senior Network Administrator, Biotronic NeuroNetwork

- Managed secure network infrastructure across 500+ hospital IT environments by overseeing firewalls, VPNs, and remote access solutions to ensure seamless connectivity and robust protection.
- Authored comprehensive documentation for network infrastructure and security processes, streamlining IT operations and enhancing support efficiency.
- Pioneered network monitoring and testing solutions that integrated multi-site healthcare systems while ensuring strict adherence to HIPAA compliance standards.

JAN 2010 - AUG 2011

Systems Administrator, Biotronic NeuroNetwork

- Achieved a 40% cost reduction in data center operations by consolidating VMware servers, optimizing resource allocation, and operational efficiency.
- Streamlined backup processes by implementing automated scripts and monitoring tools, significantly enhancing data protection and system availability.
- Implemented a comprehensive enterprise-wide network monitoring system that proactively resolved critical infrastructure issues and minimized downtime.

JAN 2009 - AUG 2009

IT Consultant, Dynamic Edge, Ann Arbor, MI

- Led cross-functional IT projects that delivered tailored technology solutions while adhering to strict budget parameters and exceeding client expectations.
- Architected scalable IT frameworks that effectively resolved complex client challenges, driving sustainable, long-term technological innovation.
- Enhanced database reporting systems through advanced SQL query development, significantly improving data accessibility and facilitating informed decision-making.

EDUCATION

2006 - 2011

Bachelor's Degree, Information Assurance, Eastern Michigan University, Ypsilanti, MI

LINKS

linkedin.com/in/derekmberger

SKILLS

Terraform / Infrastructure as Code
●●●●●

Amazon Web Services
●●●●●

Amazon ECS
●●●●●

Kubernetes
●●●●○

Continuous Integration/Deployment
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Docker / Containerization
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Amazon Cloudwatch
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Performance Monitoring / APM
●●●●○

Amazon Web Application Firewall
●●●●○

VPC / Network Management
●●●●○

Access Management / Cloud Security
●●●●○

Amazon Lambda
●●●●○

Ruby/Python Scripting
●●●●○

Database Administration (Postgres, MSSQL)
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