

ERIK BLOMQUIST

AWS CERTIFIED CLOUD PRACTITIONER

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PERSONAL SUMMARY

AWS Certified Cloud Practitioner and recent Information Technology graduate with 2+ years of technical experience in designing, deploying, and operating scalable, highly available, and fault-tolerant infrastructure within AWS. Solid understanding of DevOps practices such as automation, monitoring, Infrastructure as Code (Terraform), CI/CD pipelines, and microservices.

EDUCATION

BACHELOR'S DEGREE

Computer Information Technology
Minor: Information System
California State University Northridge / 2019

ASSOCIATE DEGREE

Computer Programming
Santa Monica College / 2015

AREAS OF EXPERTISE

Amazon Web Services

VPC
S3
EC2
IAM
Route 53
CloudWatch
Lambda
CloudFront

DevOps Tools

Ansible
Terraform, Packer
HTML, CSS, JavaScript
Python, Java, C++, Bash
Docker, ECS, ECR
ReactJS, NodeJS, Bootstrap
MySQL, DynamoDB
GitLab, GitHub, Travis CI
Git
Linux, Ubuntu, MacOS, Windows

CERTIFICATIONS

Amazon Web Services

Cloud Practitioner (CLF)
June 28, 2019 – June 28, 2022
Verification Number: BX0Q3TLKLFQ1KC6

Linux Academy/A Cloud Guru Courses

DevOps Essentials
Automating AWS with Lambda, Python, and Boto3
LPI Linux Essentials
CompTIA's Cloud Essentials
AWS Essentials

DEVOPS EXPERIENCE

CSUN Permission Number System

- Member of a 4-person team that developed a CI/CD pipeline and infrastructure in the AWS cloud for a NodeJS application engineered by the CS department of CSUN.
- Led and oversaw team for half of the project where we worked in an agile environment with two-week sprints and regular presentations.
- Implemented monitoring solutions to visualize and analyze metrics through dashboards using CloudWatch, Prometheus and Grafana.
- Configured Auto Scaling to automatically increase/decrease the number of containers running when an alarm is breached.
- Utilized Docker containers, ECR, and ECS to setup test and production environments.
- Setup DynamoDB table and S3 bucket to manage the Terraform state files to prevent team members from deploying outdated resources.
- Organized and managed tasks between team members using JIRA.
- <https://gitlab.com/csun-pns/csun-pns-infrastructure>

BEATS

- Collaborated with peers for a class project where we researched and explored different approaches of leveraging a static website in the AWS cloud.
- Worked in an agile environment with two-week sprints and regular presentations.
- Infrastructure created with Terraform (VPC, EC2, ALB, ASG, IAM, Route 53, ACM).
- Implemented Auto Scaling to automatically scale in/out when CloudWatch alarms are breached (CPU usage). Customized Amazon Machine Images with Packer.
- GitHub and Circle CI used for CI/CD pipeline.
- <https://github.com/CSUN-SeniorDesign/eat-infrastructure>

Personal Blog

- Infrastructure created with Terraform (S3, IAM, Route 53, ACM, and CloudFront).
- Front-end generated using Hugo static site generator.
- Created a CI/CD pipeline using Travis CI to automatically build and deploy the site to S3 once a new blog post has been committed to GitHub.
- Setup CloudFront distribution that caches and serves content from edge locations around the globe for decreased latency.
- <https://github.com/Erikblomquist/korkenxyz-infrastructure>
- <https://www.korken.xyz>