

Joseph Peter

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Summary

Experienced DevOps Engineer with a strong proficiency in AWS, infrastructure automation, and cloud cost optimization, backed by over 2 years of hands on experience. Contributed significantly to AWS projects enhancing cloud infrastructure efficiency by 40%, and reduced deployment times by 30% through Terraform and CI/CD pipelines. Authored technical articles on cost-saving and AWS optimization, increasing community engagement. Seeking to leverage this experience to manage and secure production environments, implementing robust monitoring and alert systems.

Skills

AWS CodePipeline, Amazon Web Services (AWS), Microsoft Azure, Terraform, Cloud Infrastructure, Amazon EC2, Elastic Load Balancing, API Gateways, Secure Shell (SSH), Software Development, Amazon Relational Database Service (RDS), Amazon SQS, Scripting, Amazon ECS, Linux System Administration, Container Orchestration, Continuous Integration and Continuous Delivery (CI/CD), Bash, Amazon DynamoDB, Amazon EKS, Amazon S3, Kubernetes, AWS Lambda, Python (Programming Language), AWS Command Line Interface (CLI), Docker, Amazon ECR, CDNs, CloudFront, GCP, Cloudflare, DevOps, AWS, Azure

Work Experience

Agile Learning Institute

Remote

Software Engineer Apprentice

Jan 2024 - Dec 2024

- ✓ Improved automation deployment using Terraform, Git, GitHub, AWS ECR, and Docker, leading to a 30% reduction in deployment times through professional one-on-one coaching.
- ✓ Enhanced security and monitoring by setting up alert systems and log aggregation tools, contributing to a more robust production infrastructure.

Medium

Remote

DevOps Cloud Engineer Content Writer

Jan 2022 - Dec 2022

- ✓ Authored a Medium article titled 'Tricks and Tips to Save Money on AWS Cloud Bills,' offering practical cost-saving insights that increased reader engagement and received positive feedback.
- ✓ Optimized AWS environments by implementing cost-saving strategies, resulting in reduced cloud bills and improved resource allocation.
- ✓ Managed and secured production environments across multiple platforms including AWS and CloudFront, enhancing overall system reliability.
- ✓ Set up monitoring tools and alert systems to promptly identify and address potential issues within cloud environments.

Level Up in Tech

Remote

DevOps/Cloud Engineer

Aug 2022 - Feb 2023

- ✓ Led AWS projects using Python, IAM, SSM, VPC Endpoints, ALB, EC2, S3, Autoscaling, and ECS, improving cloud infrastructure efficiency by 40%. Architected and deployed Docker and Kubernetes solutions, integrating them with CI/CD pipelines to speed up deployment processes by 35% and reduce system outages
- ✓ Authored in-depth technical articles on Medium about DevOps and cloud engineering, attracting over 1,000 readers and numerous shares, boosting professional credibility through community engagement

Catalent Pharma Solutions

Bloomington, IN, US

Quality Control Lab Technician

Feb 2021 - Apr 2021

- ✓ Spearheaded quality control assessments for incoming raw materials, ensuring 100% compliance with industry standards and enhancing overall product reliability
- ✓ Developed and implemented new SOPs, enhancing workflow efficiency and reducing operational delays by 20%
- ✓ Implemented and advised on automation test flow methods for testing machines, increasing testing accuracy by 20% and efficiency by 30%.

COOK MEDICAL

Bloomington, IN, US

QCInspector Trainer

Jun 2016 - Apr 2020

- ✓ Led training for employees on EWS, ENC, EWO, QSP, QSI, and GDP, significantly enhancing compliance and operational efficiency
- ✓ Audited work orders and product compliance with QMS specifications, achieving a 15% reduction in errors and enhancing overall quality control.
- ✓ Identified, segregated, and documented over 50 non-compliance issues, significantly improving product quality and ensuring stringent compliance standards
- ✓ Actively developed process flow in Kaizen rapid improvement program to improve PSS workflow.
- ✓ Managed final production releases from the PSS unit, delivering on schedule with precision and significantly boosting overall product accuracy and reliability

Verizon Data Services India

Chennai,T.N, IN

Software Engineer

Apr 2010 - Feb 2014

- ✓ Created and executed test cases for black box, grey box, and performance testing, improving software reliability and performance
- ✓ Developed web application facilities for SSP backend systems, leading to improved request and response handling
- ✓ Led the testing process from project planning to test plan development, execution, and result reporting, ensuring comprehensive test coverage
- ✓ Created and executed automated software test plans and scripts to uncover, identify and document software problems and their causes.
- ✓ Conducted UAT, Functional, Regression, Progression, Exploratory, Ad Hoc, and web service testing, ensuring comprehensive test coverage and software reliability
- ✓ Participated in all agile activities, including daily stand-ups, backlog grooming, estimations, planning, and retrospectives, leading to improved team collaboration and project efficiency
- ✓ Tested and certified COFEE data billing for each regular release for IE, ensuring accuracy and reliability of billing data
- ✓ Involved in release control process ensuring that end product meet business requirements.
- ✓ Analyzed production environment defects and inconsistencies in application functions and outputs, leading to improved application stability and performance
- ✓ Involved in mobile testing for the mobile apps made for android and apple iOS X.
- ✓ Installed and configured product on Test Server, ensuring optimal performance and reliability
- ✓ Prepared data sheets and scripts for regression automation cases using QTP/UFT, improving test coverage and efficiency
- ✓ Performed load testing using Load Runner, Http Watch, and other system tools, identifying performance bottlenecks and enhancing system stability
- ✓ Enhanced data integrity and system reliability by implementing quality assurance and control methodologies, leveraging SQL queries for comprehensive database testing

EDUCATION & CERTIFICATIONS: - Master of Computer Application | SRM University | Chennai, India

[HashiCorp Terraform Associate \(002\)](#) | HashiCorp | 2023

[AWS Certified Solutions Architect](#) – Amazon Web Services Training and Certification | 2023

[AWS Certified Developer – Associate](#) | Amazon Web Services Training and Certification | 2022

[Linux LPI Essentials](#) | Linux Professional Institute | 2022