Francis Watson

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Objective

I'm seeking a role as a DevOps Engineer II leveraging expertise in cloud infrastructure management and proficiency in DevOps tools to contribute to a forward thinking team dedicated to delivering high-quality software solutions in an agile environment.

Summary

As a DevOps Engineer at SingSingmarketplace, I shape infrastructure with Terraform, enhance system visibility with monitoring tools, and ensure business continuity through disaster recovery. Previously, as a Software Engineer II at Tata Consultancy Service, I developed Java Spring Boot applications and collaborated on database transactions. Earlier, as an IT Support at Southwestern College, I resolved technical issues and managed systems.

Education

Southwestern College   **Winfield, KS**
BSc, Computer Science
Valley Forge Military College   **Wayne. Pa**
AA, Justice and Security Studies

Technical Skills

Automation: Jenkins, Terraform, Ansible,
Backend: Node.js, Microservice, Rest API
Business Process Integration: TIBCO BusinessWorks (EMS, Hawks, JMS)
Containerization: Kubernetes, Docker, Docker Swarm
Cloud: AWS, Azure
Development languages & Framework: Java, Python, JavaScript, C#, Linux, Springboot
Database Development: MS SQL server**,** RDs, Oracle, Mysql, MongoDB
Development Tools, Environment, Operating System: Visual Studio, VS Code, GitHub, BitBucket, Jira, Azure DevOps Board, Linux, Windows
Software Development: SDLC, Agile Scrum
Monitoring: Prometheus, Loki, Grafana, Splunk, AppDynamic
Soft Skills: Excellent written and Verbal communication**,** Leadership, Initiative, Conflict resolution, Team player

Certification

AWS Solution Architect– Associate
- Knowledge and skills in compute, networking, storage, and database AWS services as well as AWS deployment and management services
- Knowledge and skills in deploying, managing, and operating workloads on AWS as well as implementing security controls and compliance requirements
- Knowledge and skills in using the AWS Management Console and the AWS Command Line Interface (CLI)Understanding of the AWS Well-Architected Framework, AWS networking, security services, and the AWS global infrastructure

AWS Developer – Associate
- Comprehensive knowledge and understanding of core AWS services, their uses, and fundamental AWS architecture best practices.
- Proficiency in developing, deploying, and debugging cloud-based applications utilizing AWS.

AWS Cloud Practitioner
- Describe aws cloud concepts
- Describe aws architecture and services
- Describe aws management and governance

AZ-900
- Describe cloud concepts
- Describe Azure architecture and services
- Describe Azure management and governance

Professional Experience

DevOps Engineer **Present**
SingSingmarketplace | Philadelphia, PA
- Collaborated with development and operations teams to define infrastructure-as-code (IaC) templates using Terraform, ensuring consistency across environments.
- Implemented and utilized monitoring tools such as Grafana, Prometheus, and Splunk to enhance system visibility and performance monitoring.
- Managed and optimized build pipelines, achieved substantial reduction in build times by introducing Nagios for Artifactory storage.
- Collaborated with cross-functional teams to establish disaster recovery to ensure business continuity.

Software Engineer II **01/2021 - 07/2022**
Tata Consultancy Service | Edison, NJ
- Developed Java Spring Boot applications, contributing to the backend functionality and learning best practices for delivering reliable software solutions.
- Implemented Action classes and controller layers using servlets, gaining hands-on experience in creating efficient user interactions.
- Utilized Java Persistence API (JPA) and Hibernate for Database Transactions, ensuring data integrity and familiarizing with database interactions.
- Collaborated with testers and business partners, actively participating in the development process and aligning deliverables with customer requirements.

- Contributed to front-end development by implementing front-end pages using JSP, HTML5, and Bootstrap, improving user-friendly design and functionality skills.

IT Support   **03/2020 - 12/2020**

Southwestern College | Winfield, KS
- Provided technical support to students, faculty, and staff, resolving software, hardware, and network issues.
- Troubleshoot and resolve technical issues related to computers, printers, and campus technology.
- Maintained and updated hardware and software, including software updates and patches.
- Managed user accounts and access to various systems and applications.