Lynda Foster

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SUMMARY

Cloud DevOps Engineer with a Bachelor's in Computer Science, a professional background in Finance, and a proficiency in .NET web application and microservices development.

TECHNICAL SKILLS

Languages: Python | Bash | SQL | MySQL | PostgreSQL
Web/API: .NET/C# | JavaScript | HTML | CSS | Bootstrap | Regex | Postman | Swagger | XML
DevOps: AWS | Terraform | Jenkins | Ansible | Kubernetes | Ubuntu | Docker

EXPERIENCE

Smoothstack - McLean, VA (Remote) | Cloud DevOps Engineer | 11/2022 - Present
- Worked within a **scrum** team to deploy a highly scalable, available, and fault-tolerant 3-tier web online banking application using the Fibonacci story point estimation method, daily standups, sprints, and retrospectives
- Architected and developed reusable infrastructure modules with **Terraform** and **Ansible** to deploy applications to **ECS** and **EKS**
- Designed and maintained a robust **CI/CD** pipeline using **Jenkins** and **GitLab** resulting in robust testing with **SonarQube** and **Terratest,** efficient automation, and seamless deployments to AWS
- Produced code that adheres to established security standards and quality control protocols using the Atlassian Suite (**Jira**/**Confluence**) and Git Flow in an agile setting
- Initiated Spring Boot microservices and React/Angular Node applications using Dockerfiles and Docker Compose to generate **Docker** images for cloud deployment
- Automated service operations and application installation using **Python** and **Bash** scripts
- Documented the team's cloud architecture efforts including new tool integrations in **Confluence**, ensuring clear and concise communication across the organization and facilitating knowledge sharing and collaboration among team members
- Developed gray box smoke tests using Python for Java Spring Boot **microservices** to validate basic functionality before integration into a CI/CD pipeline

AWS Environment: IAM, ECS, EC2, ECR, EKS, ELB, Lambda/Boto3, S3, VPC, RDS, Subnets, CloudFormations, LoadBalancers

Vermont Idea Company - Shelburne, VT (Remote) | Systems Software Engineer | 10/2022 - Present
- Extracted project requirements from Subject Matter Experts (SMEs) to document design concepts, manage integration work, and enable effective communication with software and business teams
- Maintained and managed systems documentation, including **Software Design Description** in **Confluence**
- Implemented and converted existing **MATLAB** scripts to **Python**, adjusting the architecture to conform to an object-oriented programming environment
- Analyzed algorithm performance, identified opportunities for optimization and efficiency improvements, and proposed solutions

Environment: Python, MATLAB, Confluence, Jira

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Benefit Plans Inc - Los Angeles, CA | Employer Services Analyst | 03/2019 - 09/2022
- Eliminated 40% of the processing time needed to reconcile discrepancies by automating the conversion of raw data to readable format using **Python** scripts, PowerShell, and Excel macros
- Developed, implemented, and maintained digital operational procedures that managed $100M+ in monthly contribution payments to pre-taxed PH&W (pension, health, and welfare) benefit accounts
- Participated in continuous process improvement initiatives by identifying opportunities for streamlining processes or increasing efficiency within existing workflows/processes using root cause analyst techniques when applicable
- Trained and managed a team of 3 employees while producing training documentation that expedited onboarding to the department; implemented Kanban to enable collaboration
- Responsible for cultivating and maintaining long-term business relationships with diverse teams among key networks, payroll companies, employers, and local unions to ensure benefits packages complied with contract, ERISA, & other federal guidelines.
- Resolved escalated client issues by collaborating with interdepartmental teams to ensure solutions were in compliance with company guidelines and HIPAA regulations

Environment: Python, PowerShell, Kanban

CERTIFICATIONS

Terraform Associate (002) | Splunk Core Power User | ITIL Foundation in IT Service Management | Oracle Database SQL Certified Associate 1Z0-071 | SAS Certified Statistical Business Analyst

EDUCATION

MSc in Data Analytics | Western Governors University | Salt Lake City, UT

BSc in Computer Science & Accounting | Western Governors University, Salt Lake City, UT