

Lynda Foster

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[Github](#) | [Portfolio](#) | [Blog](#)

SUMMARY

Creative, detail-oriented Software Systems Engineer with a deep interest in DevOps technologies.

SKILLS

- **Languages:** C# | JavaScript | SQL | jQuery | Powershell | Kotlin | Matlab
- **Databases:** MySQL | PostgreSQL | Oracle
- **Development Tools:** ASP.NET Core MVC | Entity Framework Core
- **Microsoft Tools:** Dynamics 365 | Power Platform | Azure | SharePoint Online | Active Directory | Outlook | Office 365
- **Cloud Application Platforms:** GitLab | GitHub | Heroku | Splunk
- **Other:** HTML | CSS | Regex | Bootstrap | Postman | Swagger

EXPERIENCE

Smoothstack - McLean, VA | DevOps Engineer | 11/2022 - Present

- Developed and maintained the Continuous Integration and Continuous Delivery (CI/CD) pipeline using the following: Jira, Confluence, Jenkins, BitBucket, Terraform, Junit, pytest, SonarQube
- Designed and developed integration strategies for in-house and third-party developed software packages within multiple information system platforms using Python and Bash
- Provided technical guidance and expertise on containerization and orchestration strategies using technologies like Docker and Kubernetes
- Provided technical guidance and expertise on database and data storage technologies like Elasticsearch and MySQL
- Configured, deployed, and monitored complex software applications for various environments
- Coordinated with software developers and engineers to ensure requirements were fully met
- Followed established team-developed coding and software tools standards
- Developed work products in adherence to established security, quality control standards, and software release management protocols for software development
- Created formal design documentation as required

Vermont Idea Company - Shelburne, VT | Systems Software Engineer | 10/2022

- Extracted and analyzed software requirements from Subject Matter Experts (SMEs) to understand designs, algorithms, and other specifications and prepare presentation documents for the client, stakeholders, and software teams
- Authored, maintained, and managed systems documentation such as Software Requirements Specification
- Analyze MATLAB for translation into pseudocode and executed effective processes for designing, simulating, testing, and validating algorithms
- Built, tested, and validated a Kotlin library that parsed aircraft transponder data and support integration with a distributed Android network
- Analyzed performance using Matlab, identifying potential areas of improvement and proposing improvements/simplifications when necessary

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VOLUNTEER EXPERIENCE

JHQBraille Transcription - Laurel, DE | Braille Transcriber and Proofreader | 09/2016 - Present

- Transcribed mathematics and STEM textbooks into United English Braille and Nemeth.
- Document proofreading notes to ensure code is error free.
- Participate in daily meetings to ensure deliverables are produced efficiently and on time.

Recovering From Religion - Kansas City, KS | Web Developer Volunteer | 06/2022 - 10/2022

- Utilize GitHub to track issues, review pull requests, and resolve merge conflicts.
- Gather requirements from end users to ensure new features are efficiently implemented and maintained.
- Collaborate with a team of 6 developers to maintain, manage, and extend the organization's main management and chat web applications in an agile setting.
- Review, analyze, and develop client-side code in React.ts and server-side code in Node.ts in weekly stand-ups.

CERTIFICATIONS

Splunk Core Power User | ITIL Foundation in IT Service Management | Oracle Database SQL Certified Associate 1Z0-071

EDUCATION

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

Technologies: Data Mining via SQL (Oracle 12c), Python (Jupyter), R, SAS; Data Visualization in Excel and Tableau

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

Technologies: C++ (Visual Studio), Java (NetBeans and Eclipse), Python (PySpark), MySQL, Machine Learning, Web Development