

DEBORAH LORING

Austin, TX 78731

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PROFESSIONAL SUMMARY

Dynamic Software Developer with a strong foundation in full-stack development, systems architecture, and data-driven decision making. Proficient in Python, Java, JavaScript, and SQL, with hands-on experience across the full software development life cycle, including project management, charter development, and technical documentation. Adept at translating complex requirements into practical, maintainable solutions using Agile methodologies and business intelligence tools such as Tableau, Power BI, and Python scripts. Currently, I am pursuing a master's degree in data analytics on the data science track to stay ahead of emerging trends in data-driven software development.

KEY SKILLS

Software Development & Programming:

Python (3 years), Java (2 years), JavaScript(2 years), Django (3 years), Angular (2 years), RESTful APIs, Automation Frameworks, Frontend/Backend Integration

Database Design & Management:

SQL, MySQL, Oracle, Stored Procedures, Schema Design, Data Security

Data Analytics & Business Intelligence:

Excel, Tableau, Power BI, Google Analytics, Data Visualization, Trend Analysis, Reporting

DevOps & Agile Methodologies:

Scrum, CI/CD Pipelines, GitHub Actions, Git, Unit Testing, Code Review, Documentation

Cloud Infrastructure & Automation:

AWS, Azure, Bash Scripting, Docker, Automation Tools, Workflow Optimization, Containerization

EXPERIENCE

The University of Texas at Austin, Austin, TX

QA Engineer (formerly QA Coordinator)

Nov 2022 – Present

Title updated in 2025 to reflect role alignment; responsibilities and scope unchanged.

- Led QA initiatives for Technology Resources, aligning quality assurance efforts with broader business goals through process improvement and automation.
- Drove the successful adoption of Agile QA practices across the department, collaborating with developers, product owners, and university stakeholders to streamline workflows and enhance product quality.
- Initiated the development of automated testing frameworks, unit testing systems, and data reporting pipelines to enhance coverage, reliability, and efficiency.
- Created detailed technical documentation, including test cases, results, and regression protocols, to enhance accuracy and traceability throughout the software development lifecycle.
- Proactively mitigated risks early in the development cycle, accelerating feedback and minimized production issues.
- Designed and led a student worker and intern program from inception to completion, managing proposals, hiring, training, documentation, and project delivery in QA and technical writing.
- Audited and validated Tableau dashboards in partnership with data specialists, ensuring accurate visualizations and backend data integrity.
- Integrated Google Analytics to monitor system usage and performance, driving data-informed optimizations across QA and development.
- Represented the QA team at industry conferences such as SXSW 2024 and TestMu (2022-2024), promoting the adoption of modern QA practices.

We Are Blood, Austin, TX

IT Technician II

Mar 2021 – Nov 2022

- Supported enterprise technology operations across three healthcare organizations, contributing to the design, improvement, and documentation of internal systems and critical business processes.
- Co-led development and implementation of a new helpdesk system (Zoho CRM), improving ticket resolution speed, reporting accuracy, and team productivity.
- Partnered with leadership to optimize IT asset lifecycle through custom system design, improving operational transparency and budget accuracy across departments.
- Introduced task automation tools and scheduling strategies to streamline repetitive IT workflows, increasing efficiency and reducing downtime.
- Participated in technical planning and infrastructure deployments for new site openings, including vendor coordination, equipment setup, testing, and launch.
- Authored SOPs, SLAs, and technical documentation to support compliance with HIPAA and FDA regulations, while collaborating to standardize IT procedures.
- Provided technical support, server maintenance, and troubleshooting services, while serving as a backup to the Systems Administrator to maintain continuity.
- Gained exposure to process automation, system integration, and compliance-driven documentation practices relevant to enterprise environments.
- Resolved complex hardware issues, minimizing downtime and ensuring continuous operations.
- Developed and enhanced internal and user-facing procedures for greater efficiency.
- Provided desktop support to users and vendors while cross-training team members to boost skill sets.
- Served as the backup to the Systems Administrator, maintaining operational continuity.
- Worked cross-functionally with executive leadership to align technical operations with strategic goals, including department rebranding and team restructuring.

CAREER NOTE

2020 – 2021

During this time, I balanced full-time studies in Software Engineering with job applications during the COVID-19 job market slowdown, building core skills in software development and systems design.

EDUCATION

WGU – Master of Data Analytics,
Data Science
OCT 2024 – MAR 2026

WGU – Bachelor of Software
Engineering
JUL 2020 – AUG 2024

Moorpark College – Associate of
Science, Natural Sciences
AUG 2016 – DEC 2019

CERTIFICATIONS AND TRAINING

CERTIFICATIONS:

CompTIA A+ – Dec 2020

CompTIA Network+ – Jun 2021

ITIL Foundations v4 – Oct 2022

CompTIA Project+ – Nov 2022

AWS Certified Cloud Practitioner –
Oct 2023