Kyle L. Linzy

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Experience

ExxonMobil: Full-Stack Software Developer *July 2018 - Present*

- Design and build custom web applications from database structure to user interface (WISA)
- Deploy solutions on-prem and in Azure with Azure Pipelines for continuous integration and delivery
- Review Pull Requests and coach new developers on best practices or common patterns
- Develop console applications for scheduled tasks to automate data synchronization and workflows
- Use and create REST APIs to make valuable business data easily accessible across a large organization
- Consult with business customers to gather requirements and carefully communicate concerns about feasibility
- Manage workload and prioritize features across numerous applications and customers
- Administer web servers to resolve errors and monitor application usage

ABB: Software Engineering Intern *June 2017 - Aug. 2017*

- Programmed embedded microcontrollers designed for upstream oil and gas automation
- Updated host application to properly display new functionality and communicate with embedded system
- Contributed to a large code base while preserving backward compatibility and improving maintainability

Phillips 66: Vulnerability Management Intern *May 2016 - Aug. 2016*

- Coordinated with different teams to verify the security of the Company's internal network
- Automated processes through scripting and rule management
- Completed forensic analysis of compromised or suspicious hard drives
- Monitored the network and hunted for potential threats
- Participated in incident response exercises
- Presented on threat management best practices for the Company's "Information Protection Week"

Benefitfocus: Database Engineer Intern *June 2015 - Aug. 2015*

- Learned T-SQL, database management, and business-specific standards
- Updated SQL jobs for industry compatibility as well as reviewed teammate's changes
- Investigated and corrected instances of mishandled sensitive data

Skills & Technologies

- *Programming Languages:* C#, T-SQL, JavaScript, Java, Python, C/C++ and MIPS Assembly
- *Software & Tools:* Git, Visual Studio, .NET Framework, .NET Core, SQL Server Management Studio, IIS, Matlab, ModelSim, Quartus, FidelisXPS, Qradar and Forensic Tool Kit
- *Operating Systems:* Windows and Linux
- *Cloud:* Azure DevOps, Azure Pipelines, Azure App Services, Azure SQL Azure CLI, Azure Active Directory and Graph API
- *Misc.:* Oauth2, Verilog, Bash, Zsh, and Powershell

Education

Oklahoma State University – Stillwater, OK *Aug. 2014 - May 2018*
Bachelor of Science, Electrical Engineering *GPA: 3.96*
Bachelor of Science, Computer Engineering
Minor in Mathematics

Other Work Experience

Oklahoma State University: Teaching Assistant *Aug. 2017 - May 2018*

- Tutored students during office hours
- Graded/proctored exams and quizzes

QuikTrip: Store Clerk *June 2015 - Aug. 2015*

- Interacted with customers to provide an excellent in-store experience
- Cleaned store, manage inventory and prepared food in the QT Kitchen

Projects

Elliptic Curve Cryptography

Wrote a python implementation of elliptic curve cryptography with only random, math, and sys as external dependencies. The library generates public/private key pairs, encodes/decodes strings onto the curves and encrypts/decrypts securely. Limitations are hardware-dependent (performs well with 1000 digit integers on laptop-class CPUs).