Cindy Lambert

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SUMMARY

Highly experienced Staff Software Engineer with a specialization in Security, holding a PhD and boasting 7 years of experience in setting technical direction for multiple teams, with a strong background in developing and implementing secure software solutions.

EXPERIENCE

Staff Software Engineer
CyberSafe Corp, 2018–Present
- Led the development of a cloud-based security platform using AWS and Kubernetes, resulting in a 30% reduction in deployment time and a 25% increase in system uptime
- Designed and implemented a threat detection system using machine learning algorithms and Apache Spark, which improved detection accuracy by 40%
- Mentored junior engineers and provided technical guidance on secure coding practices and security testing methodologies
- Collaborated with the DevOps team to develop and implement a continuous integration and continuous deployment (CI/CD) pipeline using Jenkins and Docker

Senior Software Engineer
SecureTech Inc, 2015–2018
- Developed and maintained multiple software applications using Java and Python, with a focus on security and scalability
- Worked with the quality assurance team to identify and resolve security vulnerabilities and bugs, resulting in a 50% reduction in bug density
- Participated in code reviews and ensured that all code changes met the company's security and coding standards
- Contributed to the development of the company's security policy and procedures

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PROJECTS

Secure Voting System
Personal Project, 2020
- Designed and developed a secure online voting system using blockchain technology and a React frontend, with a focus on voter anonymity and vote integrity
- Implemented a robust security protocol using SSL/TLS and encryption to protect user data
- Tested and validated the system using penetration testing and security audits

Cybersecurity Awareness Training
Open-Source Project, 2019
- Created a cybersecurity awareness training program using Python and JavaScript, with a focus on phishing, password security, and safe browsing practices
- Developed interactive modules and quizzes to engage users and improve knowledge retention
- Collaborated with cybersecurity experts to review and validate the content

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TECHNICAL SKILLS

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Languages: Java, Python, C++, JavaScript
Frameworks: Spring, Django, React
Cloud: AWS, Azure, GCP
Tools: Git, Docker, Jenkins, Kubernetes
Databases: MySQL, MongoDB, PostgreSQL
OS: Windows, Linux, macOS
Security: SSL/TLS, Encryption, Firewall Configuration, Penetration Testing

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EDUCATION

PhD in Computer Science, Stanford University, 2015
Dissertation: "Secure Software Development: A Study on Best Practices and Vulnerability Prevention"
Relevant Courses: Computer Security, Cryptography, Software Engineering, Artificial Intelligence
B.S. in Computer Science, Massachusetts Institute of Technology, 2008
GPA: 3.9/4.0
Relevant Courses: Data Structures, Algorithms, Computer Systems, Web Development