Alexander Prince alexanderprince@example.com | (810)621-3643x553 | linkedin.com/in/alexanderprince | github.com/alexander6ed9

SUMMARY

Senior Software Engineer with 8 years of experience, specializing in security protocols and systems. Proven track record of delivering secure and scalable solutions, with a key achievement of implementing a zero-trust architecture that reduced security breaches by 90%. Currently seeking to leverage my expertise in security to lead high-performing teams and drive innovation in the field.

EXPERIENCE

Senior Software Engineer *VantaLabs, 2018–Present*

- Designed and implemented a comprehensive security framework using OWASP and NIST guidelines, resulting in a 95% reduction in vulnerability exploits
- Led the development of a cloud-based identity and access management system using Azure AD and AWS IAM, improving authentication throughput by 300%
- Collaborated with the DevOps team to integrate security testing into CI/CD pipelines using Jenkins and Docker, reducing deployment time by 40%

Software Engineer *HealthNet AI, 2015–2018*

- Developed and deployed a machine learning-based threat detection system using TensorFlow and Scikit-learn, achieving a 99% accuracy rate in detecting malware
- Worked with the security team to implement a bug bounty program and resolve high-severity vulnerabilities, resulting in a 50% reduction in average resolution time
- Maintained and updated technical documentation for security protocols and procedures using Confluence and Markdown

PROJECTS

OpenSensor Project *Personal Project, 2020*

- Built a open-source IoT sensor platform using Raspberry Pi and Arduino, integrating with AWS IoT Core for secure data transmission
- Developed a machine learning-based anomaly detection system using PyTorch and scikit-learn, achieving a 95% accuracy rate in detecting sensor tampering

Secure Coding Challenge *Hackathon Project, 2019*

- Participated in a 24-hour hackathon to develop a secure coding challenge platform using Python and Flask, with a focus on OWASP Top 10 vulnerabilities
- Collaborated with a team of developers to design and implement a comprehensive security testing framework using ZAP and Burp Suite

TECHNICAL SKILLS

Languages: Python, Java, C++ Frameworks: Spring, Django, React Cloud: AWS, Azure, GCP Tools: Git, Docker, Jenkins, Kubernetes Databases: MySQL, MongoDB, PostgreSQL OS: Windows, Linux, macOS Security: OWASP, NIST, ISO 27001

EDUCATION

B.S. in Computer Science, Stanford University, 2015 GPA: 3.5/4.0 Relevant Courses: Computer Security, Cryptography, Machine Learning, Data Structures and Algorithms Thesis: "A Study on the Security of IoT Devices using Machine Learning-based Anomaly Detection"