JAD ELETRY

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Experience

Sun Life Financial — Waterloo, Ontario
Engineering Intern - *Information Security* — *Sep. 2022 – April 2023*

- Worked closely with a team of DevOps engineers to design and implement an automated detection system for threat modeling files, enhancing security protocols and reducing manual threat detection time by 18%
- Deployed Checkmarx into the SDLC to improve security and time to production, integrating application security platforms with Java and Python
- Created and designed an independent program that draws Application Security metrics out of SonarQube's dashboard to supply continuous oversight on developmental performances from static code analysis
- Automated routine security checks through scripting, reducing manual oversight by 30% and allowing the team to allocate more resources towards strategic security initiatives
- Participated in daily meetings to ensure the team remained in constant alignment with current project goals and contributed to weekly reports for progress tracking and identifying any insights to ensure gradual improvements

Education

Ontario Tech University — Oshawa, Ontario
B.Eng (Hons), Software Engineering — *Sep. 2019 – April 2024*

- **Internet of Things (IoT) Specialization**
- **Relevant Coursework:** Cloud Computing, Machine Learning, Artificial Intelligence, Database Management, Data Structures, Distributed Systems, Software & Computer Security, Computer Networks

Projects

Cloud-Based Risk Analysis System | *Apache Beam, Google Dataflow, Google Cloud Storage, BigQuery, Pub/Sub*

- Built and deployed a scalable cloud-based data processing pipeline to analyze autonomous vehicle collision risk from the highD dataset
- Implemented real-time data ingestion and storage solutions with Google Cloud Storage and BigQuery, facilitating efficient data processing and retrieval
- Designed a Pub/Sub messaging system for real-time risk analysis and inter-service communication, optimizing the system data processing

P2P Distributed Social Network | *Blockchain, Asynchronous Communication, Java, SQLite, Linux*

- Developed a Peer-to-Peer messaging application, emphasizing decentralized content distribution through cryptographic blockchain technology
- Upheld data integrity and security by implementing Java RSA encryption for private messaging and Java NIO for asynchronous network communication

Certifications

AWS Certified Cloud Practitioner | June 2024

- Successfully demonstrated proficient knowledge in core AWS Cloud concepts including EC2, S3, RDS, VPC, and IAM, as well as best practices for implementing and managing AWS cloud solutions

AWS Cloud Practitioner Essentials | May 2024

- Completed AWS Cloud Practitioner Essentials, gaining foundational knowledge of AWS Cloud services, architecture, pricing models, and security practices to effectively utilize AWS cloud technologies

Skills

Languages/Frameworks: Python, Java, C#, NodeJS, SQL, React, Flask, Dart, Flutter, Bash, PowerShell
Developer Tools: Git, Docker, Jenkins, Terraform, Ansible, Vim, Android Studio
Technologies: Kubernetes, AWS CloudFormation, Google Cloud Platform, Confluent Cloud, Apache Kafka
Operating Systems: Windows, Unix/Linux
Soft Skills: Leadership, Teamwork, Critical Thinking, Time Management, Adaptability