JAD ELETRY

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Experience

Sun Life Financial   **Waterloo, Ontario**
SOFTWARE ENGINEER – *Information Security*   *Sep. 2022 – April 2023*

- Designed and implemented an automated detection system for threat modeling files, enhancing security protocols and reducing manual threat detection time by 18%, while collaborating closely with a team of DevOps engineers
- Deployed Checkmarx into the SDLC to improve security by implementing static analysis algorithms to detect common vulnerability patterns 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
- Built a secure messaging system using blockchain concepts in Java to help gather info around audit logging and traceability in security tools

Projects   *2025 – Present*

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, processing over 1TB of data with 99.9% uptime
- 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, improving data processing efficiency by 16%

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

Smart Job Tracker | *React, Node.js, Express, MongoDB, Tailwind CSS*

- Designed and implemented a full-stack productivity tool to help users manage and track job applications across their respective statuses (Applied, Interviewing, Offer, Rejected)
- Integrated resume version tagging, application notes, and filters by title or company to streamline the job search process
- Explored different ways to improve the app with AI by testing GPT-powered resume tailoring and smart PDF parsing to auto-fill job fields more efficiently

Education

Ontario Tech University   **Oshawa, Ontario**
B.ENG (HONS) - SOFTWARE ENGINEERING – *IoT Specialization*   *Sep. 2019 – April 2024*

- **Relevant Coursework:** Cloud Computing, Machine Learning, Artificial Intelligence, Database Management, Data Structures, Distributed Systems, Software & Computer Security, Computer Networks

Certifications

- **AWS Certified Cloud Practitioner** — June 2024
- **Azure Fundamentals AZ-900** — April 2025

Skills

Programming: Python, Java, Go, JavaScript/TypeScript, SQL, Bash
Frameworks: React, Node.js, Express, Django, Spring Boot
Databases & Cloud: PostgreSQL, MongoDB, MySQL, SQLite, AWS, GCP
DevOps & Tools: Git, Docker, GitHub Actions, Terraform, Kubernetes
Practices: Agile/Scrum, REST APIs, CI/CD, TDD, Code Reviews