Satinder Sikand

+1 (437)-333-2300 | ssatin360@gmail.com | GitHub: https://github.com/Satinder-Sikand | LinkedIn:
https://www.linkedin.com/in/satindersikand/

EDUCATION & ACHIEVEMENTS

Bachelor of Engineering, Specializing in Software Engineering – Big Data   2017-2023
York University, Lassonde School of Engineering, Toronto   **GPA:** 3.5 (4.0 scale)
- Lassonde School of Engineering Award for achieving an average above 90%

WORK EXPERIENCE

Amazon: Software Development Engineer (SDE) Intern   May-August 2022
- Developed a internal tool utilizing AWS Lambda, Glue/PySpark, SNS, and Athena to aggregate cross-account data into an S3 data lake, enabling internal customers to query over 100GB of data within minutes.
- Reduced data query time by nearly 50% leading, to improved data-driven decisions and operational efficiency.
- Created an AWS CDK codebase in TypeScript for easy deployment, automating trigger and crawler setup in users' accounts, resulting in an 80% reduction in turnaround time.

CaseWare International: Software Developer Co-op   May-December 2021
- Upgraded codebase from JavaScript to TypeScript, facilitating a seamless transition to Angular 9.
- Implemented multiple client-requested features, enhancing flexibility and control over forms.
- Enhanced various AngularJS components to assist distributors in developing custom account and tax forms.
- Reduced the number of watchers running in the background of the project by 5% and increasing performance.
- Redesigned a feature, optimizing object visibility in the UI, resulting in a 7% decrease in memory usage and improved performance.

CaseWare International: Application Security Tester Intern   January-August 2020
- Developed custom queries, eliminating 150+ false positives in SAST tools and preventing their reappearance.
- Optimized existing queries for efficiency, reducing turnaround time by over 70% in some cases.
- Identified vulnerabilities and devised remediation steps, significantly minimizing company risk.
- Analyzed product security from DAST and SAST perspectives using tools like OWASP ZAP, CxQL (Checkmarx), and CodeQL (GitHub).

Deutsche Telekom: Developer Intern   May-August 2019
- Recreated user journeys on the Deutsche Telekom app using user logs from Kibana.
- Utilized Java, Spring Boot, REST, MySQL, Elastic, and Kibana for back-end development.
- Employed HTML/CSS, JavaScript, and Angular for front-end development.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C#, HTML/CSS, SQL, Bash, JavaScript/TypeScript
Tools & Frameworks: Angular, Spring Boot, Maven, Git, Postman, AWS, Django

PROJECTS

Lassonde Capstone Inventory:
- Developed a comprehensive Django web application empowering Capstone coordinators to efficiently manage their project inventory, students, and supervisors through intuitive CRUD operations.
- Implemented advanced filtering and search functionalities to streamline project discovery and organization.

Zip File Editor:
- Created a Python project that enables users to easily manipulate files within a zip archive by adding, renaming, and removing files.
- Designed the project to facilitate testing of program decompression features, thus aiding in the identification of potential vulnerabilities such as buffer overflow and path traversal.