Devansh Sharma

647-544-8510 | devanshcareers@gmail.com | linkedin.com/in/devansh17 | github.com/devansh289

EDUCATION

McMaster University April 2024
B.A.Sc. in Computer Science
- Awarded the McMaster Honour Undergraduate Scholarship based on strong academic performance.
- <u>Relevant Courses:</u> Data Structures & Algorithms, Software Development, Computer Architecture, Concurrent Systems, Databases, Principles of Programming Languages, Operating Systems.

EXPERIENCE

Salesforce May 2023 – Aug 2023
Software Engineer Intern
- Improved reliability of the ZOS app as measured by reduced application downtime by designing and implementing an automated tool to capture and sanitize **heap dumps** after an OutOfMemoryError exception occurs.
- Conducted independent research and identified a security vulnerability through analysis of a **60GB** heap dump.
- Expanded skill set by learning key skills including Kotlin, Terraform, Hyperforce and cross-team communication.

Tesla Sept 2022 – Dec 2022
Software Developer Intern
- Enhanced the experience of **100+** real customers enrolled in the Tesla Electric Plan in Texas by creating a CronJob using **Kafka** with functional programming in Scala to en-queue filtered messages in a topic.
- Improved accuracy of a message queue from hourly to **real-time** by using GraphQL and developing an abstraction for nominating sites which contain different Tesla energy devices such as Powerwalls.
- Prevented downtime of deployed apps by implementing and analyzing metrics and alerts using tools such as Splunk, Grafana and Argo CD.

Amazon May 2022 – Aug 2022
Software Development Engineer Intern
- Implemented a back-end **Java** project on the Prime Technology Turing team which supports engagement and retention for millions of Prime members by managing Milestone – Action events in a membership life-cycle.
- Orchestrated the migration of a live production DynamoDB table with **3000** read requests/second to one that supports Milestone Versioning by redesigning and interfacing with the complex architecture of Persistence Layer.
- Saved potential engineering hours (**8+** hours/event) in the incident where a tenant modifies a Milestone which fails in the production pipeline and directly impacts Prime customers.

Google May 2021 – Aug 2021
STEP Intern
- Increased automatic suspension rate of illegal cloaking ads up to **5%** by leveraging suspicious scores generated by ML models to dynamically set scan configurations impacting **400+** ads.
- Created **C++** data pipelines to fetch and update 700MB of data from daily tables using Protocol Buffers to check for malicious ads.
- Prepared ~3 design and launch documents that highlight implementation, problem, key goals and solution.

RBC Jan 2021 – April 2021
Software Developer Intern
- Streamlined communication for **100+** employees by developing an internal application with Python, React and Vue.js to build a tool used by the Global Cyber Security team for employee headcount information.
- Interacted with 5+ complex tables in **SQL** to dynamically generate queries based on user interactions.

TECHNICAL SKILLS

Languages: Java, Python, C++, Scala, JavaScript, TypeScript, Kotlin, HTML, CSS
Technologies: SQL, GraphQL, Node.js, AWS (DynamoDB, SQS, CloudFormation, CloudWatch), Kafka, Docker, Kubernetes, Git, Github, gRPC, Splunk, Jenkins, Argo CD, Grafana, REST APIs, JSON, Django, Terraform, Linux

OTHER INVOLVEMENTS

Hackathons Multiple Dates
- Collaborated in 6+ hackathons including - **Hack Harvard**, **Hack MIT** and many more to build cool projects.
- Planned the back-end code for **Delta Hacks**' landing page using Vue.js as a technical executive on the team.