Saqib Ali

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EDUCATION

University of Waterloo   **Sept 2019 – Apr 2024**
Honours, Bachelor of Applied Science in Computer Engineering   *Waterloo, Ontario, Canada*

SKILLS

Languages: Python, Java, SQL, JavaScript (TypeScript), C/C++, Elixir, Go Lang, HTML, CSS
Frameworks: NodeJS, Springboot, React.js, Redux, Express, NextJS MongoDB, EFK (Elastic Search, Fluentd, Kibana)
Tools / Other: AWS, Docker, Git, Bash, PostgreSQL, MySQL, Kubernetes, Jenkins, Cypress, Agile

WORK EXPERIENCE

Halp Inc.   **Sept 2023 – Dec 2023**
Software Development Engineering Intern   *Toronto, Ontario*
- Leveraged **Elixir's meta-programming** capabilities & **SQL** to process **1B+** events daily; delivered real-time insights into user behavior.
- Developed a back-end service in **Elixir** & **SQL** exposing endpoints to reveal user info & handle edits for **5K+** daily users.
- Secured **1st place** in a company-wide hackathon by pioneering a tool in **React** & **Elixir**, guiding users through the app.
- Implemented metrics to monitor cloud infrastructure health with **Grafana** and used **Prometheus** to establish alerting.

Arctic Wolf   **Jan 2023 – Apr 2023**
Software Engineering Intern   *Waterloo, Ontario*
- Restructured core back-end deployment workflows using **AWS S3** and **CICD** pipelines; lowered rollback time by **80%**.
- Engineered an efficient data recovery service using **React**, **Go Lang** & **SQL**; decreased reversion time by **70%**.
- Translated **15+** designs & wireframes into high-quality, responsive & reusable **React / Typescript** code.

Primer Ai   **Jan 2022 – Apr 2022**
Software Engineering Intern   *San Francisco, California, USA*
- Optimized core authentication logic by leveraging **Python** & NPM packages; abstracted **3K+** lines of repetitive code and secured access to company wide applications.
- Unified and consolidated separate **Redux** stores, significantly reducing application infrastructure by **50%**.
- Spearheaded the development of an authentication service in **React**, **Python** & **SQL**; enforced authenticated access.

CGI Inc.   **May 2021 – Aug 2021**
Software Engineering Intern   *Markham, Ontario*
- Built the back-end infrastructure to implement authentication using **Java, Springboot** & **SQL** for internal company tools; ensured authorized access to over **400** users.
- Revamped a data backup service using **Python** & **AWS S3** to warehouse Elastic logs; reduced backup time by **80%.**
- Orchestrated a redesign of making updates to the API gateway by using **Jenkins CICD** pipelines; decreased **50%** of the time spent making updates.

OpenText   **Sept 2020 – Dec 2020**
Software Engineering Intern   *Waterloo, Ontario*
- Built an internal tool to showcase icons using **React, Java** & **Springboot**; drastically reduced site load times by **97%.**
- Architected a **RESTful** API utilizing **Java** & **Springboot**, allowing for the efficient processing & management of files.

PROJECTS

Schmart **1st place winner** *@Hack the Valley V – 500+ participants*
- Implemented a product scanning system in **React Native**, **Python (Flask)** & **SQL** to dynamically track the nutrient content of scanned products; minimized manual tracking efforts by **80%.**

Software Agency **(10+ active clients)**
- Services client's software needs: portfolio websites, e-commerce and custom cloud solutions utilizing **AWS** and **Azure**.

Grades Book App
- Pioneered a robust web app that streamlines the grade monitoring process, resulting in over **65%** in time savings.