SAGAR PATEL

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Technical Skills

Languages: Java, Javascript, C/C++, Python, Swift, SQL, NoSQL
Developer Tools: Microsoft Azure, Google Cloud Platform, Azure Data Explorer, Power BI Embedded
Technologies/Frameworks: React & Vue, Jenkins, Git, JUnit, Jest, Selenium, Spring, Docker, Kubernetes

Experience

PointClickCare — May 2021 – Present
Software Engineer — *Mississauga, Ontario*

- Built scalable micro-service and RESTful APIs to support dynamic data visualization widgets that retrieve real-time health information for over 2 million patients utilizing Java, SQL & Typescript.
- Persuaded an initiative to improve reliability and reduce 40% of QA testing time by developing a browser-based automation framework on top of the existing javascript-based testing framework.
- Gained and executed industry knowledge surrounding best software security practices, enhanced cluster efficiency and optimization of page load times.
- Developed communication skills in an agile work environment by taking up the responsibility as scrum master and facilitating daily scrum meetings, weekly sprint plannings and code reviews.

PointClickCare — May 2020 – Dec 2020
Software Engineering Intern — *Mississauga, Ontario*

- Built an internal pub/sub notification tool allowing any product within the company to utilize and receive/relay information to its customers directly from one centralized service.
- Implemented a missing functionality of Microsoft Power BI Embedded to deliver event-based analytics to Azure Data Factory, providing an unclouded view of customer interactions with Power BI based products. Allowing for numerous reliable business decisions to be made.

Agilis Networks — May 2019 – Aug 2019
Software Engineering Intern — *Sudbury, Ontario*

- Architected and developed a customer-facing system to onboard and set up clients, allowing for a smooth transition of service using Python, Javascript & SQL.
- Reduced turnaround time by 50% for customer onboarding by developing a pipeline of automated procedures which verify uploaded documents, automatically generate forms and notify departments using a pub/sub service.

Thrive Media — May 2020 – Present
Cofounder, Software Engineer — *Toronto, Ontario*

- Enhanced the reliability of client apps by transitioning over to cloud solutions, enabling dynamic scaling to meet demands.

Projects

Rewards System App | *IOS, Android, Google Cloud Console, Firebase* — January 2021

- Architected a reliable in-app reward system for a Coffee Shop Franchise that receives up to 3000 monthly users.
- Utilizes Cloud Services to save user data and scale according to peak demand.

Heart Disease Monitoring App | *IOS, Python, Machine Learning, Google Cloud Console* — November 2020

- Reported users their risk of heart diseases and irregularity using recorded fitness band data.
- Acquired more consistent results by utilizing a Random Forest Machine Learning model trained with a set of 10,000 data points.

Photo Management App | *IOS, React, NodeJS, MongoDB, Docker* — Present

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all acounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Education

Laurentian University/Université Laurentienne — Graduated May 2021
B.Cosc, Mathematics & Computer Science (Co-op) — *Sudbury, Ontario*

Awards: Deans Honor List. Honors Entrance Scholarship.
Relevant Coursework: Data Structures, Algorithms Analysis, Database Management, Artificial Intelligence, Systems Programming & Computer Architecture.