SMAVEHYIA SHAHID

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Systems Design Engineering

Summary of Qualifications:

- **Languages:** JavaScript, Go, C++, C# (Working Knowledge)
- **Development:** HTML5, CSS3, Bootstrap, React.js, Redux, Angular, Node.js, PostgreSQL, JSON, TypeScript, Object Oriented Programming, RESTful API, Jira, Git, Agile/Scrum, SOLID
- Effective communication skills through six months of customer service experience
- Problem-solving abilities and strong analytical skills acquired through diagnosing bugs

Relevant Experience:

Software Developer, Zenreach, Kitchener, ON   **Sept. 2020 – Present**

- Refactored critical Go **microservices** in the data pipeline to reduce memory usage by **40%**
- Currently contributing to a new project regarding **Wi-Fi**-networks and **Hotspot 2.0** through thorough **research**, intricate experimental **testing** and **documentation**

Software Developer, Zenreach, Kitchener, ON   **Jan. 2020 – Apr. 2020**

- Built multiple performant and scalable **microservices** using **Go** to support completion of new features required by millions of end-users
- Implemented a critical service to make application GDPR compliant using a variety of data stores (**MongoDB**, **PostgreSQL**, **S3**, **Snowflake**) as well as deployment technologies (**AWS**, **Terraform**)
- Fixed bugs in the complex real-time **Apache Kafka** pipeline which processes high volumes of data to increase robustness

Software Developer, Miovision Technologies, Kitchener, ON   **May 2019 – Aug. 2019**

- Independently developed a new version of a traffic data portal application, DataLink Essentials, using **React** and **Redux**, resulting in an improved user experience
- Built reusable UI components for the Miovision Design System in both **React** and **Angular**

Software Engineer, Zeitspace, Kitchener, ON   **Sept. 2018 – Dec. 2018**

- Rebuilt the company website featuring blogging functionality and a sleek user interface
- Implemented a custom CMS application that boosts user productivity using a **Node.js** back-end, **React.js** frontend and **PostgreSQL**
- Developed integration and unit-tests for web applications to enhance bug-detection by **60%**

Software Developer, Virtek Vision, Waterloo, ON   **Jan. 2018 – Apr. 2018**

- Refactored legacy code using Test Driven Development to improve run-time performance of the application by **10%**
- Resolved **10+** critical bugs using Root-Cause Analysis approach, debugging tools and unit testing
- Contributed to team projects by conducting numerous tests, collecting and analyzing data

Projects:

Articulate – A Public Speaking Web Application   **Sept. 2020 – Present**

- On-going full-stack development with **React.js** and **Firebase**

Chattr-Box – A Chat application   **Dec. 2018**

- Created a React.js application that allows users to join chat rooms and build connections

Aut2Learn – An Educational App for Autism   **May 2018**

- Announced as the winner of the Physical Disabilities Category at Equithon 2018

Education:

Candidate for Bachelor of Applied Science, Systems Design Engineering

- **University of Waterloo, Waterloo, ON**   **Sept. 2017- Present**
- Relevant Courses: Digital Computation (C++), Digital Systems, Data Structures & Algorithms