Alan Xie

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SKILLS

Languages	JavaScript/TypeScript, Java, Python, SQL
Frameworks	React/React Native, Spring Boot, Angular/Ionic, Node.js, Express, JUnit5
Database & Tools	MongoDB, MySQL, Unit Testing, RabbitMQ, Apache Kafka, PostgreSQL, Heroku, Firebase, Git, JIRA

EXPERIENCE

Full Stack Developer | Ford Motor Company
Waterloo, ON | Sept 2019 – Dec 2019

- Designed and built a new JIRA Issue Template using **Spring Boot**, **MySQL**, and **RabbitMQ** to improve usability and information transfer across 3 large–scale projects responsible for the representation of **10,000+** company–wide bug reports
- Implemented fallback requeuing logic using RabbitMQ on a production data pipeline to re–process messages sent during DNS outages, resulting in **1000+** of recovered events and **data loss reduction**
- Resolved data deficit by developing file streaming strategies within enterprise data pipeline using **Apache Kafka** to index missing file properties of **1M+** daily payload entries
- Developed **JavaScript** pagination features using responsible for the display and aggregation of **10,000+** rows of data in a **MySQL** database for a client dashboard, improving page load speed and lookup efficiency by over **50%**

Junior Software Developer | HelloGbye
Toronto, ON | Jan 2019 – Apr 2019

- Generated accurate SLA estimates on company's core service by designing and implementing data models and controllers in **Node.js** to parse through **1000s** of lines of JSON, displaying aggregate data in multiple graph visualizations
- Reduced the length of QA process on NLP email parsing by **50%** by implementing an **Angular–based** querying tool to automatically annotate and return failed or poorly parsed emails
- Created a skeleton **Ionic** application to support **cross–platform** functionality of company's NLP desktop application

LEADERSHIP

Software Developer | UW Blueprint
Waterloo, ON | Jan 2020 – Present

- Building a web application with **Node.js** and **React** to facilitate automatic matching between user profiles
- Implemented **Salesforce** API with **Node.js** to support **OAuth** and **NoSQL** storage of user profiles
- Participated in bi–weekly stakeholder meetings to accurately determine and update project scope and team responsibilities

PROJECTS

Huddle
Toronto, ON | Jan 2019 – Apr 2019

A mobile social media service that connects sports fans while supporting local venues

- Implemented **MVC** design patterns using **Spring Boot** to establish seamless application flow between REST API endpoints, database entities, and a user interface in **React Native**
- Utilized **Google Maps** and React Native API to track and record user location and preferences

EDUCATION

University of Waterloo | Candidate for B.Sc. Health Informatics with Computing Minor | 3.8 GPA | Dean's Honours list

- Relevant Courses: Design & Society, Introduction to Computer Science I & II, Introduction to SAS
- Hobbies: Guitar, Ultimate Frisbee, Basketball, Board & Card Games