Jeremy Sun

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Summary of Qualifications

- JavaScript and certified Java programmer experienced with full-stack web development.
- Accomplished and motivated student comfortable in fast-paced environments involving new technologies.
- Recognized by supervisors for strong collaboration, problem-solving, communication, and organizational skills.

Technical Skills

- **Languages**: JavaScript, Java, HTML5, CSS3, SQL, C++, C, R, Unix shell script, Liquid, Sass, JSON, YAML, XML
- **Frameworks:** React, Node.js, jQuery, Express, Mocha, Bootstrap, Spring, Servlet
- **DevOps:** Docker, Linux, HTTP, REST API, AWS, Google Cloud, Firebase, Git, Jira, Apache Tomcat, Maven
- **Databases:** MongoDB, MySQL, Firestore
- **Tools:** Postman, Jekyll, Selenium, Adobe Illustrator

Work Experience

Web Application Engineer | Ontario Institute for Cancer Research | Remote | Co-op   *May – August 2020*

- Discovered and resolved security vulnerabilities in the file upload system of PHI sensitive web applications.
- Identified 90+ API/UI defects by analyzing source code, data in MongoDB, and server logs in Docker containers.
- Automated regression test suites using JavaScript Postman API, Bash scripts, and Selenium, reducing the duration of repetitive functional testing operations by 70%.
- Revamped the theming of emails, responsive web pages, and web forms with HTML, Bootstrap, CSS, and Liquid.
- Participated in architecture meetings to discuss scalable and adaptable solutions to business requirements.
- Supported clients by providing online training, system documentation and design deliverables.

Tutor | York Region Tutoring | Triway Education | Markham, ON | Contract   *July 2017 – December 2019*

- Tutored IB math, IB chemistry, Java programming, and English using clear and organized explanations, diagrams, examples, notes, and problem-solving techniques, improving student performance by 50%.

Software Projects

Story++ | Hack the North 2020++   *January 2021*

- Implemented a dynamic, responsive frontend with React and Material-UI to navigate through interactive stories.
- Tested request endpoints for Express.js API served on Google Cloud App Engine.
- Designed a NoSQL data schema for Firestore database to represent an interactive story as a directed graph.

JavaScript Application Suite | jeremysun.me/projects   *July – December 2020*

- Designed and developed a responsive and customizable timer with Bootstrap 4, CSS, and jQuery effects that determines, counts down to, and celebrates the next Friday.
- Implemented an interactive, viewport-scaled chessboard with HTML canvas, ES6 classes, and custom SVG assets.
- Aggregated projects on a React web app with a dynamic and intuitive user interface, hosted with Firebase.

Java Servlet E-Commerce Site   *July – August 2018*

- Implemented a robust Java Servlet and MySQL back end to handle login and registration services.
- Developed a sorted and filterable product catalog using SQL queries and a JSP front end.
- Configured deployment scripts to run an Apache Tomcat web server environment hosted on Google Cloud.

Awards

- **B.P. Dammizio Scholarship** | University of Waterloo   *September 2019*
  - 1 of 3 recipients recognized for outstanding achievement and interest in technological innovation.
- **YRDSB Top Scholar**| York Region District School Board   *July 2019*
- **1st Place Varsity Chess Team** | Toronto Secondary School Chess League Team Championships   *February 2018*

Education and Certifications

Java SE 8 Programmer I Certification | Oracle   *January 2020*
University of Waterloo | Candidate for Bachelor of Computer Science, Honours, Co-op   *2019 – Present*