

Treavor Gagne

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Summary

Software Developer with 5+ years of experience. Proven ability to learn, design and deliver software across diverse teams and tech stacks. Experienced with using Node.js, Express.js, React.js, MySQL, and more.

Skills

Languages	JavaScript, SQL, HTML, Go, Java, Python, Bash, TypeScript, Ruby
Frameworks	Node.js, React.js, Express.js, jQuery, Bootstrap, EJS
Tools	Git, VS Code, Twilio, Splunk, Postman, Swagger, Docker, AWS
Databases	MySQL, RabbitMQ, PostgreSQL, MongoDB, Redis, TablePlus
Practices	RESTful APIs, Microservices, Agile, Scrum, Kanban, Test Driven Development

Experience

SSi Canada Telecommunications, **Software Engineer** Sept 2022 - Present

- Developed an input validation feature for both client and server side POST requests, preventing all requests with missing or invalid inputs while improving server side performance by 10%.
- Refactored a Node.js notification microservice to support email and SMS via Twilio for low data or account funds, entering roaming, and subscription renewal alerts, increasing user engagement by 38%.
- Migrated user data retrieval client side on page load in parts instead of server side all at once, reducing initial client load times by 80%, full client load time by 40%, and server performance by 20%.
- Coordinate with stakeholders and customer care team to deliver features and internal tools on time.

Natural Resources Canada, **Software Developer Coop** May 2021 - Dec 2021

- Developed government web pages with PHP, jQuery, and MySQL for real-time data visualization.
- Built bilingual features following WCAG standards, ensuring 100% accessibility for all users.
- Optimized SQL queries, reducing execution and data retrieval times by up to 40%.

Solaires Enterprises Inc, **Front-end Web Developer Contract** Aug 2020 - Dec 2020

- Developed a continuous scroll page with React.js, CSS, and HTML to replace a legacy site.
- Collaborated with a UX/UI designer to convert Figma mock-ups into reusable React.js components.

Ergonomyx Tech Canada Inc, **Full-Stack Web Developer Coop** Sept 2019 - Aug 2020

- Built an e-commerce website and a health web app using Express.js, PostgreSQL, and jQuery.
- Used MongoDB to store and aggregate data to visualise standing desk usage and health metrics.

Projects

Semester Scheduling Capstone Project

- Developed a scheduling algorithm in Go to generate optimized university class timetables for a full academic year, matching professors to preferred courses and lecture slots each semester, with execution time under 3 seconds.
- Practiced agile development with effective communication through stand-ups, sprint rituals, client demos, and stakeholder collaboration to ensure timely, aligned delivery.

Portfolio Website

- Built with React.tsx and Chakra UI components, hosted on AWS Amplify with a Route 53 domain.

Twitter Clone

- Developed a dockerized MySQL database and a server API in Go with routes for posts, likes, and comments.

Education

University of Victoria, Victoria, BC, Canada Sept 2017 - Aug 2022

- Bachelor of Software Engineering (BSEng) • 3.8/4 GPA