

## Summary

Passionate and highly-motivated full-stack software engineer. I have professional experience with TypeScript/JavaScript, Python, React, Vue, Django, AWS, Node.js, Rust, and other technologies. I am interested in exciting and challenging opportunities where I can make a positive impact in the lives of others while continuing to add to and refine my skill set.

## Education

<p>Ryerson University, Toronto, Ontario</p> <ul style="list-style-type: none"><li>• <b>Data Analytics, Big Data, and Predictive Analytics, Certificate</b> (2018)</li><li>• <b>Biomedical Engineering, B. Eng.</b> (2016)</li></ul>	<p>Amazon Web Services certifications</p> <ul style="list-style-type: none"><li>• <b>Solutions Architect - Professional</b></li><li>• <b>DevOps Engineer - Professional</b></li><li>• <b>Certified Security - Specialty</b></li></ul>
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## Work Experience

### Software Developer, Rentsync (March 2022 - Present)

- Improved API response times up to 3x with the development of a Rust GraphQL API microservice using Apollo Federation
- Built a library of automated data integrity checks that decreased data errors by 90% and eliminated hours of investigative work
- Reduced the quarterly count of bug tickets through the promotion of TypeScript in numerous repositories
- Implemented revenue-generating and cost-/resource-saving features

### Senior Data and Research Analyst, Michael Garron Hospital (February 2021 - March 2022)

- Created a fully-automated data submission pipeline to send quarterly data to GEMINI, a province-wide big data healthcare initiative
- Eliminated 100% of administrative work for numerous research studies by writing scripts that extracted study data from lab results

### Decision Support and Data Consultant, North Bay Regional Health Centre (July 2018 - February 2021)

- Developed a hospital-wide staff management application used by dozens of managers, that reduced calls to the staffing department by 75% due to the availability of information and automated delivery of status updates
- Created data reports and analyses from multifarious sources, including a 25,000-table relational database, and consulted with senior leaders and other stakeholders

### Data Analyst, North Bay Regional Health Centre (July 2017 - July 2018)

- Collected, cleaned, and analyzed healthcare information system data with high accountability

## Skills

- Languages: **TypeScript/JavaScript, Rust, Python**, Pandas, **SQL**
- Web: **React**, Redux, **Django**, **Vue 2/3**, Next.js, Nuxt, Node.js, Express, Koa, Yew
- AWS: **EKS, Lambda, API Gateway, S3**, VPC, IAM, EC2, CloudFormation, CodePipeline, CloudWatch, SQS, etc.
- Database systems: PostgreSQL, MySQL, Redis, DynamoDB, MongoDB, Oracle, Aurora, RDS
- Miscellaneous:
  - **Terraform, Kubernetes**, Docker, **GraphQL** and REST APIs
  - HTML/CSS, Bootstrap, MUI, Tailwind, Jquery
  - Git, Jira, Linux

## Projects

- Serverless vacation rental booking site built on AWS
- Console text editor using the C standard library
- C compiler, written in C
- Staff management tool used by a hospital to manage shift scheduling for hundreds of employees
- Personal finance tracker with Python/Django that tracks spending habits and displays statistics
- UX-focused COVID-19 screening app with MERN stack

## Additional Skills

- Agile software development methodology
- Knowledge of distributed systems
- Strong communication and team-building abilities