

## Summary

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- Backend focused Full Stack Engineer with several years of experience primarily using JavaScript and Python
- Expertise in leading/mentoring software teams and maintaining applications using DevOps principles
- Comfortable navigating ambiguity and translating abstract requirements into well-documented and practical solutions such as API gateways and distributed systems

## Education

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**Bachelor of Computer Science** University of Waterloo 2014 – 2020

- Major in Computer Science Honours Co-op, Minor in Geography
- Notable Courses: Algorithms & Data Structures, OOP, Compilers, OS, Ethics, Security & Privacy, UI, UX

## Work Experience

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**Software Developer** TAMVOES Health (Waterloo, ON, Canada) May 2020 – Jan 2022

- Prioritized growth and stability of web application by creating automated test/build pipelines, adding OpenAPI documentation for over two hundred endpoints, and conducting over five hundred pull request reviews
- Wrote design doc to support international medical data regulations by consulting with compliance experts, estimating potential timeline with major milestones, and diagramming/prototyping example flow with multiple python-based REST APIs and PostgreSQL databases
- Mentored developers through regular feedback and communication and to ensure progress on company goals while promoting a healthy work environment and culture
- Constructed chat and search features to allow over two thousand users to communicate in real time and query millions of medical articles including full texts
- Planned and managed weekly Agile release cycle to ensure continuous multi-platform growth while iterating on stakeholder feedback and testing

**Full-stack Developer** LCBO|next (Waterloo, ON, Canada) Sept 2018 – Dec 2018

- Provisioned, automated, and versioned Azure Cloud infrastructure as code using Terraform and Azure DevOps to mitigate human error, simplify configuration, and reduce hours spent on deployments
- Created modular API endpoints primarily consisting of intercommunicating Node.js microservices in Docker containers

**Full-stack Developer** hyperPad (London, ON, Canada) Jan 2018 – Apr 2018

- Implemented Node.js API endpoints with Elasticsearch indexing and MongoDB queries while prioritizing code maintainability and performance
- Integrated third-party APIs (Stripe, Zoom) with web-hooks and an OAuth flow in a MeteorJS web application to provide seamless authentication across several services

**Web Developer** AGF Management (Toronto, ON, Canada) Jan 2016 – Dec 2016

- Improved page rank and traffic of the website using Search Engine Optimization (SEO), resulting in visibility on the first page of Google for relevant queries
- Automated posting of approved jobs via dashboard system by expanding MySQL database schema and adding functionality to the JSP backend

## Programming Languages and Technologies

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Python, JavaScript/TypeScript, C++, MongoDB, SQL, Node.js/Express, React.js/Redux, jQuery, Bootstrap, Bash, Git, OpenAPI, GitHub Actions, Terraform, Elasticsearch, Microservices, Docker, Microsoft Azure, Google Analytics