

# DANILO JOKSIMOVIC

(416) 804-0390 | [djoksimo@uwaterloo.ca](mailto:djoksimo@uwaterloo.ca) | [github.com/djoksimo](https://github.com/djoksimo) | [danilojoksimovic.com](https://danilojoksimovic.com)

## SKILLS

**Languages:** JavaScript • TypeScript • C • C++ • Java • HTML/CSS • C# • Python • Ruby • VHDL • SQL

**Tools:** MEAN • Git • React Native • AWS • RxJS • Unity • Ionic • Raspberry Pi • Arduino • Rails • Flask • Redux • GCP

## EXPERIENCE

GoParkr - Software Engineer

August 2018 – November 2018

- Built, tested and released several major end-to-end features with React Native and Redux-Saga
- Spearheaded and managed the development of GoParkr's web application in ReactJS, MySQL and Flask
- Introduced and implemented material design to improve the overall UI/UX of GoParkr products

BlackBerry – Software Experience Labs Intern

May 2018 – August 2018

- Developed JavaScript, Bash, and PowerShell scripts to optimize systems administration tasks
- Managed over two hundred virtual servers and deployed enterprise software for testing and demos
- Developed a PoC mobile threat detection plug-in for the BlackBerry UEM management console with the BlackBerry UEM Integration SDK and JSF
- Collaborated with Amazon Web Services Inc. Infrastructure Engineers to deploy and secure AWS EC2 images for the migration of on-premise solutions to the AWS Marketplace

Srvce.ca - Co-Founder & Lead Developer

May 2018 – Present

- Created Srvce, a web and mobile advertisement platform for persons offering trades and services
- Independently developed the web application from scratch with Angular, Express.js, MongoDB, RxJS and AWS
- Architected and developed a secure Node.js backend API with Express and MongoDB for web and mobile apps
- Implemented JWT token authorization along with AWS Cognito authentication and Google Sign-In using OAuth

## EDUCATION

University of Waterloo

Present - 2023

- Candidate for a Bachelor of Software Engineering, Honours Degree

## PROJECTS

Once Upon a Time - Hack the North • Winner

[github.com/djoksimo/OnceUponATime](https://github.com/djoksimo/OnceUponATime)

- Developed an Android app with C# and Unity3D which dynamically spawns, destroys, translates and rotates 3D models according to a story being spoken into a microphone
- Relayed commands from a Node.js app running IBM Watson to VR in real time using Socket.IO

Naughty or Nice - Hack the Valley 2

[github.com/djoksimo/NaughtyOrNice](https://github.com/djoksimo/NaughtyOrNice)

- Developed and designed a practical web app that analyzes social media with natural language processing and computer vision to compute personality traits related to employability
- Integrated Microsoft Azure's Computer Vision API, the Facebook and Instagram Graph API with a neural network developed from scratch in order to process data with over 80% accuracy

WatHaus.AI – Student Housing App

[mountainviews.ca](https://mountainviews.ca)

- Architected RESTful API in Ruby on Rails with a PostgreSQL database to store and process data collected from over three hundred University of Waterloo students
- Developed responsive web app using ReactJS, Material-UI and the Google Maps API
- Containerized API using Docker for future open source developers

## ACHIEVEMENTS

BlackBerry Spark Hackathon - Winner

August 2018

- Developed a secure AI chatbot using the BlackBerry Spark SDK for Node.js

MEC Race 6 - Full Marathon

September 2016

- Ran a full marathon (42.2 kilometres) and finished in 24<sup>th</sup> place