DANILO JOKSIMOVIC

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SKILLS

Languages: JavaScript • TypeScript • C • C++ • Java • HTML/CSS • C# • Python • Ruby • VHDL • SQL
Tools: MEAN Stack • Git • React Native • AWS • Rx.js • Unity • Ionic • Raspberry Pi • Rx.js • 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 React.JS, 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

Srvice.ca - Co-Founder & Lead Developer   May 2018 – Present

- Created Srvice, a web and mobile advertisement platform for persons offering trades and services
- Independently developed the web application from scratch using the MEAN stack, Rx.js, GCP 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

- 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

- 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

- 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 React.JS, 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 24th place