

Mattias Zurković

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EDUCATION

University of British Columbia

Bachelor in Electrical and Computer Engineering

Expected April 2021

TECHNICAL SKILLS

Languages Java, C, NodeJS, Python, JavaScript, Ruby on Rails, Verilog

Web Development Spring, Express, AngularJS, HTML/CSS

Databases MySQL, MongoDB, Solr, PostgreSQL, CockroachDB

Tools Jenkins, Ansible, Docker, OpenShift (Kubernetes), Azure, Git, IntelliJ, Vim, Atlassian Suite

WORK EXPERIENCE

Best Buy Canada HQ

DevOps Engineer Intern

Burnaby, BC

May 2019 - August 2019

- Developed Docker base images and base image standards to be used in OpenShift for Java, NodeJS, and OpenJDK based internal services and developed CI/CD pipelines to automate the deployments.
- Wrote Python scripts and Ansible automation to help validate application and server migration after a company wide data centre change.
- Helped adopt Dynatrace monitoring solution at an enterprise level scale by deploying the tool to managed clusters on premises and in the Azure cloud, as well as leading the on-boarding process for application teams.

Best Buy Canada HQ

Software Developer Intern

Burnaby, BC

April 2018 - August 2018

- Worked in an AGILE SCRUM environment on the Search team developing enterprise level Java web applications. Helped develop their new RESTful search API using Java microservices architecture with Spring Boot.
- Worked with Solr search engine to optimize search relevancy results and improve administrator web applications with AngularJS.
- Help prevent CRLF injection in administrative search application using ESAPI security library and wrote unit tests with JUnit and behavioral automated API tests with Groovy (Spock framework).

Upside Wireless Inc.

Software Engineer Intern

Vancouver, BC

March 2016 - April 2016

- Collaborated with senior developers to develop a signal processing algorithm that senses peaks in magnetic fields for an Android application made for accurate sprint timing.
- Helped implement a companion web based system where runners keep history and analyze their workout data. Focussed on user authentication using Java and MySQL.

UBC Unmanned Aircraft Systems

Aircraft Team Lead

Vancouver, BC

September 2017 - Present

- Constructed industrial grade autonomous multicopters for competitions. Worked on an antenna tracker that would allow the ground station to receive the optimal signal, increasing the reliability and range of the aircraft.
- Also helped with implementing camera systems over 5.8 GHz and worked on image recognition as a part of the competition.