

Will Blades

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PROFESSIONAL SUMMARY

Software Engineer with 9+ years of experience in full-stack development, API integration, and micro-services. Holds a Master's degree in Applied Computer Science with focus on Machine Learning and excels in agile environments, test-driven development, and continuous process improvement.

TECHNICAL SKILLS

- **Languages:** Java, Python, C++, C#, TypeScript
 - **Frameworks & Libraries:** Django REST Framework, Spring/Spring Boot, Pandas, Hibernate, Angular, VueJS, Node.js
 - **Databases:** MySQL, PostgreSQL, H2, MSSQL, Oracle, AWS-based databases
 - **Tools & Platforms:** Maven, Ant, Jenkins, Docker, CI/CD, Azure Cloud, AWS
 - **Other:** Git (GitHub, GitLab), SVN, Apache MQ, Apache Tomcat, Apache HTTP Server, GDAL
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PROFESSIONAL EXPERIENCE

Helm Operations – North Vancouver, BC

Full Stack Developer | Jan 2023 – Present

- Develop features for a maritime inventory management system.
- Produced tools for the core team to automate build installs and library license archival
- Manage database migration to AWS.
- **Technologies:** C#, Node.js, VueJS, TypeScript, AWS

Boeing – Richmond, BC

Software Engineer III | June 2021 – Oct 2022

- Configured CI/CD environments in Azure Cloud and analyzed aircraft data for reporting.
- Refactored pipeline code to improve modularity and added new features to an analytics library.
- Provided efficiency analysis & reports to customers on quarterly basis
- **Technologies:** Python, Docker, Angular, VueJS, JavaScript, Pandas, Jupyter Notebook, Azure Cloud

Manulife

Full Stack Software Engineer | Nov 2019 – Nov 2020

- Automated financial processes and integrated them into CI/CD pipelines.
- Developed multi-tier web applications and RESTful APIs using Spring MVC and Hibernate.

- Mentored junior team members and executed code reviews.
- **Technologies:** Java, Spring Framework, Python, Oracle DB, Angular, Shell scripting

MacDonald, Dettwiler & Associates (MDA) – Richmond, BC

Software Engineer | July 2015 – June 2019

Earth Observation Team

- Developed REST microservices and a filtering front-end for image catalog ordering.
- Collaborated on DigitalGlobe’s Mission Control System with established sprint baselines.
- **Technologies:** Ruby, Python, Django REST Framework, Angular, PostgreSQL, Apache HTTP Server, Node.js
- **OS:** Windows 10, CentOS 7

Research & Development

- Developed an image processing pipeline for large GeoTiff datasets for CNN-based models.
- **Technologies:** Python, MATLAB, GDAL

RCM Program

- Built a Restoration Manager to control sub-components
- Added features to the Restoration Core code-base
- Integrated BPMN-based workflows and developed tools to create CCSDS-compliant test data.
- **Technologies:** C++, Java EE, JMS, Apache MQ, Apache Tomcat, Spring, Hibernate, Activiti, H2, PostgreSQL
- **OS:** Windows 10, RedHat 7, OpenSuse 13

REDSpace Co. – Halifax, NS

Solutions Developer | Nov 2013 – Oct 2014

- Developed REST APIs to integrate IBM Connection communities with IBM Notes databases.
- Created Java-based agents and implemented both backend and frontend functionality for a Flex-based web application.

EDUCATION

Dalhousie University – Halifax, NS

Master of Applied Computer Science | Sept 2010 – Sept 2013

- **Thesis:** “A Multi-Objective Evolutionary Approach for Clustering Datasets of High Cardinality and Dimensionality using Inter-point Filtering”

Saint Mary’s University – Halifax, NS

Bachelor of Science in Computer Science | Sept 2003 – May 2008

- Awarded Academic Achievement Scholarship (2007)
 - **Publication:** “Evolving Parameters of Logit Model using Genetic Algorithms” (2008)
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