

# JAMES NIYONGIRA

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## SUMMARY

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Highly motivated and results-oriented Web Applications Developer proficient in full-stack development, with a focused expertise in Microsoft's .NET (C#) technologies, JavaScript/TypeScript, and Python. I am skilled in leveraging diverse programming languages, frameworks, and tools to design and develop innovative web applications that exceed expectations. Ready to drive transformative projects with precision and expertise.

## EDUCATION

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### Algonquin College

Diploma In Web Development & Internet Applications

Ottawa, ON, Canada

Sept. 2022 – Apr. 2024

## PROFESSIONAL EXPERIENCE

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### Web Developer (Volunteer) – City of Ottawa

*From March 2024 – Present*

I work on the Community Capacity Building (CCB) Training Web portal of the city of Ottawa and below are my achievements and responsibilities:

- Rebuilt the entire application migrating from .NET 4 to modern cross platform .NET 8
- Implemented Test-Driven Development
- Worked in team collaboration to solve problems and fix bugs

### Software Developer Intern - Algonquin College Innovation and Entrepreneurship Hub

*4 Months (Sept. 2023 – Dec. 2023)*

- Collaborated with cross-functional teams to analyze user needs and design software solutions.
- Executed full stack web application development using Python Django framework and React.js, ensuring seamless integration with backend systems.
- Conducted unit testing and resolved software defects, contributing to the enhancement of product releases.
- Created comprehensive developer documentation for efficient knowledge transfer within the team.
- Engaged in proof of concept/pilot projects to experiment with new software stacks.
- Configured and maintained CI/CD pipeline for automatic redeployment.

## TECHNICAL SKILLS

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**Languages:** JavaScript, C#, Python, SQL, PHP, HTML/CSS

**Frameworks & Libraries:** ASP.NET core, React.js, Node.js, Express.js, Next.js, Django

**Developer Tools:** Ansible, Puppet, Chef, Terraform, Docker, Kubernetes

**Methodologies:** Agile/Scrum

## KEY PROJECTS

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**Brainwave | React.js (Typescript) & Python**

July 2023 -present

- Developed an online learning platform using a blend of modern web development tools and framework.
- Collaborated in a team of web developers managing a large codebase.
- Implemented Test-Driven architecture and employed various design patterns for DRY code.

**Blogging Platform | .NET Core, React.js**

Feb. 2024

- Created a dynamic blogging platform using ASP.NET and Angular.
- Implemented features like user authentication, post creation, and commenting.
- Integrated with a relational database for efficient content storage.

**Markdown processor | Typescript**

Dec. 2023 -Jan. 2024

- Built a complex markdown processor that transforms markdown into styled HTML.
- Implemented modular software design architecture to separate features of the app.
- Learned more on file and text manipulation techniques in JavaScript.

**Netflix clone| Typescript, MongoDB, React**

July 2023 -August 2023

- Cloned Netflix dashboard page using various advanced styling techniques and UI design concepts in React.js and Tailwind CSS.

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**ADDITIONAL QUALIFICATIONS**

- Demonstrated strong coding, unit testing, and debugging skills.
- Proven experience working in a scrum/agile software development environment.
- Utilized Infrastructure as Code patterns and technologies, including Ansible, Puppet, Chef, Terraform, and AWS CloudFormation.
- Familiarity with SQL, API creation, containerization (Docker, Kubernetes)

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**PORTFOLIO**

More details about my past and present work can be found on my portfolio website at [remarkablejames.com](https://remarkablejames.com) to view academic side projects leveraging modern full-stack web development technologies and design (February 2020 – Present).