

JAMES NIYONGIRA

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SUMMARY

Highly motivated and results-oriented Web Applications Developer proficient in full-stack development, with a focused expertise in JavaScript/TypeScript, PHP, C#, 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

Algonquin College

Diploma In Web Development & Internet Applications

Ottawa, ON, Canada

Sept. 2022 – Apr. 2024

PROFESSIONAL EXPERIENCE

Online Learning Platform (Personal Project) - April 2024 (Ongoing)

<https://brainwave-client.vercel.app/demo>

- Developed a comprehensive online learning platform utilizing Next.js, Python Django, Docker, and AWS cloud infrastructure.
- Leveraged Cloudflare technologies for enhanced performance and security.
- Collaborated in a team environment for design, development, and deployment.

Key Achievements:

- Increased development efficiency through Docker containerization (quantify if possible).
- Achieved scalability and reliability with AWS deployment.

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

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

Frameworks & Libraries: React.js, Node.js, Express.js, Next.js, Django

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

Methodologies: Agile/Scrum

KEY PROJECTS

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.

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)

PORTFOLIO

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

