

# JAY YAGNESHKUMAR PATEL

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Hamilton, ON.

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## Highlights of Qualifications

- Full-Stack Development Experience:** Skilled in creating and managing UI components with JavaScript, HTML, and CSS, along with back-end development using Node.js, Express, and SQL through personal and course projects.
- Software Testing & Debugging:** Proficient in testing, troubleshooting, and debugging software to ensure smooth user experiences.
- UI Design & Web Development:** Strong knowledge of UI design, along with hands-on experience building and maintaining websites.
- Database Theory Knowledge:** Familiar with relational database concepts, design, and management.
- Problem-Solving & Analytical Skills:** Adept at identifying potential issues and implementing solutions to prevent problems before they arise.
- Multi-OS Proficiency:** Competent in working with multiple operating systems, including Windows and Linux.
- UML & SDLC Concepts:** Experienced in using UML for system design and knowledgeable in all phases of the Software Development Life Cycle (SDLC), including planning, analysis, design, implementation, and maintenance.

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## Technical Skills

**Programming Languages:** C/C++, Java, Python, JavaScript, TypeScript, SQL, PHP, HTML

**Technologies & Tools:** AWS (EC2, DynamoDB, S3, SQS, Lambda, Athena, Elasticsearch), Spark, Hive, Presto, Kubernetes, Docker, Splunk, Kafka, Spring, Angular, ReactJS

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## Work Experience Software Developer

**Ishsoft Technologies** - Eldoret, Kenya. April

2023 – DECEMBER 2023

- Designed, developed, and deployed microservices-based web applications using Ruby on Rails and React.
- Collaborated in an Agile environment, releasing updates every sprint and improving application performance by 25% through optimized code.
- Utilized AWS services such as S3 and RDS to manage and scale storage and database solutions for client applications.
- Integrated third-party APIs and implemented automated testing frameworks, enhancing code quality and deployment reliability.

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## Education

**Advanced Diploma in Software Development Mohawk-College** —Ongoing

**Relevant Coursework:** Object-Oriented Programming, Databases, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advanced Data Structures and Algorithms, Information Retrieval

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## Project Experience

### Cloud-Based Financial Tracker

- Developed a full-stack solution using React, Node.js, and PostgreSQL to enable real-time expense tracking and reporting.
- Integrated RESTful APIs and implemented robust authentication mechanisms to ensure data security.

### **Microservices Architecture for E-Commerce**

- Built a modular e-commerce system using Java, Spring Boot, and Kafka to handle asynchronous processing.
- Deployed services on AWS EC2 and implemented a CI/CD pipeline via Azure DevOps to automate deployments.

### **HTML Validator and Tag Balancer (C#)**

- Created a Windows Form App to parse and validate HTML structure.
- Utilized data structures like stacks for efficient tag balancing.

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### **Awards and Certifications**

- MICROSOFT AZURE FUNDAMENTALS (AZ-900)