

# Jamaal Bernabe

📍 Toronto, Canada   ✉ jnbernabe@gmail.com   ☎ (647) 402-1724   🌐 in/jamaalbernabe

## SUMMARY

Passionate Software Developer with a strong foundation in building scalable frameworks, distributed systems, and reliable software solutions. Proficient in Python, Java, JavaScript, modern frontend technologies such as React, Angular, and Vue, and backend technologies such as Node.js and Next.js. Skilled in crafting production-ready code, RESTful APIs, and managing infrastructure to meet industry standards. Adept at delivering complex projects in dynamic, fast-paced, Agile environments, collaborating with cross-functional teams, and mentoring peers. Committed to driving innovation and optimizing performance across the stack through structured problem-solving and leadership.

## EXPERIENCE

### Software Developer

Afcio AI

February 2024 – June 2024, United States of America

- Optimized data stream workflows in Azure by applying LLMs, resulting in a 25% increase in analysis speed.
- Engineered platform enhancements that improved system performance by 30%, utilizing Python over a 6-month development cycle.
- Enhanced application capability by integrating Nylas and OpenAI APIs, increasing functionality by 30%.
- Developed and implemented unstructured data analytics solutions, leveraging Python and Azure Machine Learning to increase processing speed by 25% over a 4-month project.

### Junior Software Automation Tester

Ministry of Children, Community, and Social Services

August 2022 – August 2023, Toronto, Canada

- Developed and maintained automated front-end test scripts using Selenium and JUnit, reducing manual testing time by 50%.
- Migrated the testing environment from Java 8 to Java 17, improving test performance and system reliability by 33%.
- Collaborated with the development team to troubleshoot and resolve technical issues, ensuring seamless product releases.
- Optimized automated test scripts with Selenium WebDriver, enhancing script efficiency and achieving 20% error reduction within a year-long co-op experience.

### System Support Officer

Tribunals Ontario

January 2022 – April 2022, Toronto, Canada

- Analyzed asset data to identify the location and cost of \$100,000 worth of IT (information technology) assets.
- Generated detailed reports on asset status using data analysis tools, improving allocation accuracy by 35%.
- Utilized technical background to provide superb assistance to adjudicators.
- Exercised problem-solving skills in assisting staff by identifying and solving root causes of issues, enhancing operational efficiency and user satisfaction across the organization.

## EDUCATION

### Software Engineering Technology – Artificial Intelligence

Centennial College • Toronto, Canada • 2024 • 4.0

- Developed robust AI-powered applications using Python, TensorFlow, and Scikit-learn, gaining hands-on experience in machine learning, deep learning, and natural language processing.
- Mastered software development practices including Agile methodologies, version control (Git), and full-stack development with proficiency in Python, Java, and C#.
- Collaborated on capstone projects integrating AI models into cloud-based platforms (Azure, AWS, GCP), showcasing strong skills in software deployment, API development, and data processing.
- Designed responsive and functional sites utilizing React, Angular, HTML/CSS, and JavaScript.

### Biotechnology – Advanced

Centennial College • Toronto, Canada • 2020

### Bachelor's Degree in Biochemistry & Molecular Biology

University of Toronto • Toronto, Canada • 2018

## SKILLS

Front-end Skills: HTML/CSS, JavaScript, Angular, ReactJS, Selenium, JUnit, JMeter

Back-end Skills: Python, C#, Java, Node.js, Next.js, MongoDB, SQL, MySQL, NoSQL, Elasticsearch

Technical Skills: Agile, Scrum, SDLC, CI/CD, Unit Testing, Integration Testing, Database Management, Web Development, JIRA, Atlassian, Jenkins, Git, Github