Jamaal Bernabe

Software Development | Automation Testing | Backend Development | Cloud Services | Python & Java

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Summary

Passionate about leveraging technical expertise in software development, with proven success in boosting system performance and streamlining processes through automation. Committed to advancing technology to meet business needs, in cloud services and AI integration. Eager to contribute with strong skills in Python, Java, and cloud infrastructure, and to drive impactful solutions that align with the mission of producing scalable and efficient technological innovations.

Key Achievements

Reduced Testing Time
Automated test scripts reduced testing time by 50%.

System Scalability Boost
Increased system scalability by 20% using Python.

Enhanced Test Reliability
Improved test environment reliability by migrating to Java 17.

Increased Application Performance
Optimized applications and increased performance by 30%.

Experience

Aficio AI
United States of America

Software Developer
02/2024 - 07/2024

- Leveraged large language models (LLMs) in the Azure cloud to process and summarize real-time streamed data for enhanced data analysis and insights.
- Developed and optimized Azure infrastructure by automating restful APIs using Python, increasing system scalability by 20%.
- Redesigned the core application framework and applied software architecture principles, leading to a 20% decrease in codebase complexity and a 30% increase in system performance.
- Engineered platform enhancements that improved system performance by 30%, utilizing Python over a 6-month development cycle.
- Enhanced application efficiency by integrating Nylas, OpenAI, and APIs, increasing functionality by 30%.

Ministry of Children, Community, and Social Services
Toronto, Canada

Junior Software Automation Tester
08/2023 - 08/2024

- Developed and maintained automated 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
- Conducted maintenance of automated test scripts using Selenium WebDriver, reducing script errors by 20% and improving test reliability over a 12-month co-op term

Skills

Java · Javascript · Python · Flask · C# · Mongodb · Mysql · Node.js · Oracle · SQL · Selenium · Junit · HTML5/CSS3 · AngularJS · React

Agile Methodologies · SDLC · CI/CD · Manual Testing · Automated Testing · Cloud Services · Microsoft Azure · Google Cloud Platform · Amazon Web Services · Jenkins · Version Control · Github · Git · Shell Scripting

Education

Centennial College
Toronto, Canada

Software Engineering Technology-Artificial Intelligence
01/2020 - 04/2024

- 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), showcasing strong skills in software deployment, API development, and data processing.

University of Toronto
Toronto, Canada

Bachelor's Degree in Biochemistry & Molecular Biology
08/2013 - 06/2018