

Ashiq Gazi

Software Development and Data Science Student

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🌐 [Linkedin](#)

🐙 [GitHub](#)

★ [Portfolio](#)

SKILLS AND SOFTWARE

- **Languages:** [C/C++](#) (Embedded, Multithreading), [Python](#) (Pytest, Automation), [Bash/Shell](#)
- **Software:** [GitLab CI/CD](#), [Git](#)
- **Testing:** [Pytest](#), Functional, Integration, Smoke, Unit, Sanity
- **DevOps & Tools:** [Jenkins](#), [Docker](#), [Linux](#), [RTOS](#)

EXPERIENCE

Software Testing Specialist at [BlackBerry QNX](#), Kanata, ON

09/2024–04/2025

PYTHON, PYTEST, LINUX, BASH, GIT, JENKINS, RTOS, C/C++, DOCKER, RASPBERRY PI, EMBEDDED SYSTEMS

- Developed an automation testing framework for the QNX Everywhere project, improving testing efficiency by 50%
- Created comprehensive test suites for system validation, increasing test case depth by 25%
- Designed and implemented Python automated frameworks for testing distributed acquisition systems
- Collaborated with field personnel to gather functional requirements and identify new features
- Developed technical documentation and training resources for complex testing procedures

Frontend Developer at [Russell Driving School](#), Ottawa, ON

09/2024–Present

REACT, JAVASCRIPT, CSS, HTML, TAILWIND CSS, BLUEHOST, RESPONSIVE DESIGN

- Designed and developed professional websites with intuitive user interfaces and diagnostic displays
- Created operator interfaces with responsive design for optimal user experience across devices

PROJECTS

[Virtual Machine Testing Framework](#), BlackBerry QNX

PYTHON, PYTEST, VIRTUAL MACHINES, QEMU, VMWARE, VIRTUALBOX, LINUX, CROSS-PLATFORM TESTING

- Created a Pytest automated framework for testing internal tools with multiple configuration options
- Implemented testing across various VM technologies and computer architectures
- Validated cross-platform compatibility with comprehensive sanity and smoke testing

[Performance Testing Framework for Raspberry Pi](#), BlackBerry QNX

PYTHON, PERFORMANCE TESTING TOOLS, RASPBERRY PI, BENCHMARKING, RESOURCE MONITORING

- Developed specialized performance testing tools for embedded system resource utilization measurement
- Implemented benchmarking protocols with comparative analysis features for data acquisition systems
- Created performance baselines for optimization of distributed data processing applications

[CRUCIBLE - Performance Testing Tool](#), Personal Project

C, PYTHON, HTML, JSON, LINUX, BENCHMARKING, AUTOMATED SEQUENCING, REPORTING

- Developed a customizable performance testing tool for comprehensive system component evaluation
- Implemented automated test sequencing with configurable parameters for data acquisition testing
- Created HTML/JSON report generation for efficient analysis of system performance metrics

EDUCATION

[University of Ottawa](#)

Honours BSc Mathematics and Computer Science (Data Science)

Expected graduation: 04/2027