

Mark Swietkowski

Senior QA Manager

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I am a results-driven Senior QA Manager with a proven track record in quality assurance and software development, with experience in the utilities sector, including oil, gas, and renewable energy systems. My deep understanding of industry-specific challenges, such as ensuring compliance with regulatory standards and optimizing performance in complex energy platforms, allows me to deliver robust testing strategies that enhance system reliability and user experience. With a meticulous eye for detail and a passion for continuous improvement, I excel at identifying and resolving critical defects while driving operational excellence. I am eager to bring my expertise and commitment to quality to elevate your team's success.

Work Experience

Senior QA Analyst

mCloud Technologies-Calgary, AB

April 2022 to Present

- Contributed to an aerospace visualization project within mCloud, enhancing the AssetCare™ product line as part of the development team.
- Developed and maintained software systems for renewable energy deployment and management, customizing solar panel solutions based on customer requirements.
- Performed static and dynamic automated security testing using Veracode.
- Leveraged Unity RT-3D and Digital Twin technology for advanced visualization solutions.
- Developed microservices and containers using Docker; built and executed API tests with Postman and specialized tools.
- Utilized cloud services extensively, including AWS & Cloudwatch APM.
- Collaborated with cross-functional teams to design and implement effective QA strategies.
- Applied ChatGPT prompts to streamline QA processes, such as generating automated testing scripts and documenting test case scenarios.
- Automated testing with C#/.NET Selenium WebDriver & IDE, and Cypress with JavaScript/Node.js, reducing testing time and boosting efficiency.
- Conducted load and stress testing with JMeter, identifying performance bottlenecks and partnering with developers for optimization.
- Implemented Azure Devops CI/CD pipelines to automate testing, accelerating feedback loops and release cycles.
- Performed regression and performance testing on machine learning models to ensure stability and scalability.
- Managed requirements traceability matrix, tracking business requirements, test scenarios, results, and defect resolution.

QA Manager Natural Gas Trader

Dynasty Power Inc.-Calgary, AB

April 2020 to March 2022

- Executed currency and securities trades, researching market opportunities and assessing risks.
- Performed technical and fundamental analysis to develop, test, and implement trading strategies with robust risk management.
- Stayed current on global economic trends and led weekly team meetings with seasoned traders.

- Developed and customized indicator templates using MQL4, building a semi-automated trading system.
- Back-tested and forward-tested strategies, created algorithmic trading robots, and generated statistical/financial analysis reports to identify top performers.
- Tested RESTful APIs for trading applications.
- Ran SQL queries for efficient data analysis.

QA Manager

Petrotranz-Calgary, AB

March 2019 to March 2020

- Automation-tested corporate web application using Selenium/C# in Visual Studio.
- Conducted mobile automation testing and developed test scripts with Appium and JavaScript.
- Performed authenticity and API testing using OWASP ZAP.
- Updated and debugged automated test scripts after each major test cycle.
- Executed Oracle database SQL queries, ensured data validation, integrity, and performance.
- Coordinated QA testing team for cycles using Microsoft Teams and QTest.
- Managed and updated test suites in QTest for web and Android applications.
- Executed detailed manual testing aligned with oil and gas industry standards and business law.

Head QA Analyst

Helcim-Calgary, AB

January 2017 to January 2019

- Led QA efforts as Head Analyst, overseeing testing for iOS, Android, CRM, and website applications.
- Tested banking-related mainframe applications using SQL and DB2.
- Developed and executed unit, functional, and integration tests for software components in JavaScript.
- Conducted automation testing with Selenium, TestCafe, and Appium scripting, including regression and performance/load tests.
- Performed manual testing across platforms, ensuring usability and compliance with PCI regulations and business law.
- Implemented company-wide project management using Jira/Zephyr, tracking features, bugs, requirements, and test scripts/plans.
- Spearheaded the formalization of QA processes within the development team.
- Tested and debugged applications with PHP on the development server.
- Worked in a SCRUM/Agile development environment.

QA Manager Forex Trader

Iridian, LLC-Calgary, AB

February 2014 to 2016

- Managed risk and executed intraday trades across multiple client accounts on the company trading platform.
- Created daily trading plans using technical analysis and key news releases.
- Conducted quality assurance on alpha and beta platform patches and updates.
- Identified and tracked bugs and platform requirements.
- Collaborated with the software development team to enhance usability and performance.
- Consulted with manager and accountant on weekly P/L targets, trading strategies, and risk adjustments.
- Trained junior traders remotely, delivering platform tutorials and trading strategy guidance.
- Authored a specialized trader instruction manual tailored to the platform and company rules.
- Compiled detailed daily and weekly P/L, net, and balance summaries for all accounts using Excel.

Biotechnologist

Alta Genetics-Calgary, AB

October 2012 to January 2014

- Transitioned into biotech from QA field to explore new challenges and experiences.
- Operated MoFlo cytometers for sorting male and female gametes.
- Executed critical procedures for agricultural products prior to global export.
- Conducted daily quality control, monitoring bacteria count, gamete morphology/motility, pH, workspace sanitation, and final product quality.
- Performed regular checks on inventory, workplace hazards, and workflow efficiency.

QA Analyst

CorTxT Inc-Calgary, AB

September 2011 to October 2012

- Held a temporary contract position with a start-up.
- Conducted black-box and gray-box compatibility tests across mobile devices (Blackberry, iPhone, Android).
- Performed regression, functional, smoke, and sanity testing.
- Executed UAT and OS compatibility tests using VMware and multiple browsers.
- Led QA testing for the accompanying website, coordinating and delegating tasks to remote QA teams.
- Troubleshoot database issues with SQL queries.
- Wrote and maintained detailed test scripts, scenarios, and tracked bugs and project requirements.
- Generated and updated comprehensive test summary reports.
- Collaborated with developers and management on testing needs and project workflow.
- Provided one-on-one support to customers and internal departments.

Software Test Engineer

BeyondSoft/Hewlett-Packard-Boise, ID

July 2010 to September 2011

- Conducted localization testing (Polish, German, French) for HP hardware drivers, firmware, and installation suites.
- Designed detailed test scripts and scenarios using HP Quality Center.
- Performed compatibility and UAT testing across multiple operating systems with VMware.
- Worked briefly at the company before relocating to Canada for improved career opportunities.

Software Localization Tester

LionBridge Technologies-Boise, ID

August 2008 to June 2009

- Completed a temporary internship while pursuing studies.
- QA tested mobile and desktop applications in multiple languages (Polish, Italian, German, French).
- Created test scripts and scenarios using HP Quality Center.
- Conducted functional, regression, smoke, and performance testing.
- Performed compatibility testing across various operating systems with VMware.
- Handled localization and translation/interpretation between Polish and English.
- Pivotal role that shaped my career trajectory toward quality assurance.

Education

MBA in Finance and Economics

William Howard Taft University-Remote

2011 to 2012

Bachelors of Science in Biology, History

Boise State University-Boise, ID

2005 to 2010

Skills

- Python (5 years)
- Software QA (9 years)
- Test Cases
- Mainframe Testing (2 years)
- Agile (7 years)
- Jira (6 years)
- TFS & other Source Code Management Tools
- VMWare (5 years)
- UX Design
- QTP
- SQL (6 years)
- JavaScript
- Scrum
- Chat GPT
- Microsoft Excel (9 years)
- Quality Assurance (9 years)
- Selenium (4 years)
- Git
- User Acceptance Testing
- Financial Analysis (5 years)

Certifications and Licenses

ISTQB - Quality Assurance Analyst Certificate

Additional Information

Skills

QA Testing/Software Engineering: Black box/gray box, automated testing (Selenium, HP QTP, Cypress), SQL, Bugzilla, HP QC, unit testing, Python, Java, PHP, CSS, HTML, Javascript, GIT, Jmeter, API testing, Sourcetree, Visual Studio, Eclipse, other IDEs

OS: Mac OS, WinXP/7/8/10/11, Linux Ubuntu, VMware

Project Management: Trello, JIRA/Zephyr, Kanban, SharePoint, Microsoft 365, Agile/SCRUM

Other: Multilingual (Polish, Russian, Spanish, Mandarin), technical writing, AI/machine learning, statistical analysis/R programming, Anaconda/Jupyter, algorithmic trading/financial analysis