

Chris Melski

SENIOR TEST MANAGER | SDET

 c_melski@yahoo.com |  +65 9137 4149 |  <https://cmelski.github.io/online-portfolio/> |  <https://www.linkedin.com/in/chrismelski>

Professional Summary

Results-driven Test Manager and SDET with 20+ years of global experience across QA strategy, test automation, and requirements management within Investment Banking, Trading, and Telecom domains. Skilled in developing end-to-end automation frameworks (Python, Playwright, Cypress, Selenium) and leading large, distributed QA teams to deliver high-quality, compliant systems. Combines a strong hands-on technical foundation with strategic test leadership, ensuring quality governance, automation efficiency, and business alignment from requirements through production release.

Career Highlights

Test Management & QA Governance

- Directed end-to-end QA delivery for BARX FX e-Trading — covering pricing, order execution, risk, and regulatory controls.
- Led global QA teams across Singapore, Pune, Prague, and London; standardized automation and reporting practices.
- Defined and enforced QA strategies, test planning, defect triage, and risk-based test coverage.
- Managed SIT/UAT execution and sign-off with cross-functional stakeholders including business, compliance, and technology.
- Championed Agile QA transformation, embedding automation into sprints and improving release predictability.

SDET & Test Automation Engineering

- Designed and implemented automation frameworks using Python (pytest, Playwright), Cypress, and Selenium.
- Automated API, database, and UI testing integrated into CI/CD pipelines (Jenkins, GitHub Actions).
- Implemented BDD frameworks (Cucumber) aligned to user stories for improved collaboration and traceability.
- Conducted automated data validation across trading systems, REST APIs, and databases.
- Built test utilities and reusable libraries for mocking, data setup, and results validation.

Business Analysis & Requirements Quality

- Partnered with traders, compliance officers, and developers to capture, refine, and test requirements for complex trading and regulatory systems.
- Produced functional specifications, user stories, and process flows, ensuring testability and end-user readiness.
- Drove traceability from business requirements to automated tests, minimizing gaps and improving audit readiness.

Key Skills

- **Test Management:** Test Strategy | QA Governance | SIT/UAT | Defect Management | Risk Assessment | Reporting | Team Leadership | Stakeholder Engagement
- **SDET & Automation Engineering:** Python (pytest, unittest) | Playwright | Cypress | Selenium | BDD (Cucumber) | REST API | SQL | Jenkins | GitHub | FIX Protocol | JavaScript | Java | VBA | Linux
- **Business Analysis:** Requirements Analysis | User Story Mapping | Process Modeling | Test Traceability | UAT Coordination | Root Cause Analysis
- **Tools & Tech:** JIRA | Confluence | GitHub | Postman | PyCharm | VS Code | MySQL | PostgreSQL | Oracle | Pandas | NumPy | Matplotlib | Excel Macros
- **Domains:** FX Trading | Algorithmic Trading | eCommerce | Billing | POS | Inventory Systems
- **Soft Skills:** Communication | Problem-Solving | Negotiation | Adaptiveness

Professional Experience

Senior Test Manager | SDET Lead - Barclays, Singapore (Jun 2007 – Mar 2024)

- Led test automation initiatives for BARX FX e-Trading platform, integrating Python Playwright regression suites into CI/CD.
- Drove test planning and execution across multiple asset classes, ensuring global test alignment.
- Managed and mentored a team of QA engineers and SDETs, establishing automation-first principles.
- Oversaw requirements validation and regulatory change testing, ensuring compliance and transparency.
- Conducted root cause analysis for production incidents, implementing preventive test coverage improvements.
- Acted as the bridge between QA, Development, and Business, ensuring end-to-end delivery quality.

Independent Professional Development - Singapore (Apr 2024 – Present)

- Engaged in self-directed learning to stay current with QA tools, frameworks, and Agile practices.
- Strengthened SDET and QA management expertise including Python certification and gained more exposure to test automation tools (Cypress, Selenium, Playwright).
- Built automation projects integrating pytest BDD, Playwright, and REST API testing frameworks.

Test Lead - Gen-i, Wellington, NZ (Oct 2006 – Jun 2007)

- Defined and managed test strategy and requirements validation for helpdesk software implementation.
- Facilitated UAT sessions, ensuring business sign-off aligned with user expectations.

Test Engineer - Bell, Toronto, Canada (Jan 2004 – Jun 2006)

- Supported billing system migration, combining test execution with requirements traceability.
- Developed reusable test assets and early automation scripts for regression cycles.

Business Analyst - ReserveAmerica, Mississauga, Canada (Jan 2003 – Dec 2003)

- Gathered requirements, created functional specifications, and supported testing for e-commerce POS and Ticketing systems.

Java Developer | QA Analyst - SIVCO Inc, Calgary, Canada (Jan 2002 – Jan 2003)

- Built Java solutions for an Inventory Tracking System and introduced formal QA processes into SDLC.

Education

- Post Graduate Programming Diploma, ITI, Toronto, Canada (Hon) – 2001
- Bachelor of Business Admin (Marketing), Cape Breton University, Sydney, Canada (Hon) - 1998

Professional Development

- Cypress – Modern Automation Testing + Frameworks (Sep 2025)
- Business Analysis Fundamentals – IIBA Endorsed (Aug 2025)
- Playwright Python Automation Testing (Jun 2025)
- API Testing with Python and PyTest (Jan 2025)
- [PCEP-30-02] PCEP™ - Certified Python Programmer (Oct 2024)
- 100 Days of Code: Python Pro Bootcamp (Jun 2024)
- Learn Cucumber BDD with Java – Masterclass Selenium Framework (Apr 2024)

Hobbies & Interests

- HIIT Training, Hiking, Movies, Reading, Programming