

Robert Hugh Matthew

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EDUCATION

MSc Industrial Biotechnology

Graduated Nov 2021

University of Strathclyde (IBioIC Scholarship)

MEng Chemical Engineering

Graduated June 2019

University of Strathclyde

SKILLS, CERTIFICATIONS & INTERESTS

- **Technical Skills:** Python (Frameworks: Selenium, Django | Data Tools: SQLAlchemy, Pandas); Java (Selenium, cucumber, REST-API), SQL (Postgres, SQLite), GIT, Bash Scripting, and familiar with Docker & Jenkins.
- **Soft Skills:** Proficient in JIRA and Confluence for project tracking and collaboration; extensive experience working in sprints with agile methodology and managing stakeholder expectations within cross-functional teams.
- **Certifications:** AWS Certified Cloud Practitioner Certification Sept 2023; TMAP (Quality for Cross functional Teams, iSQI) July 2022.
- **Languages:** English: Native. French: B2 (CEFR).
- **Interests:** Rock-climbing outdoors/indoors, compete in ultramarathons, cycling/cycle-packing, and love general camping/hiking. Enjoy learning languages, reading, and spend a lot of time (perhaps too much) watching sports!

WORK EXPERIENCE

Engineer. 2i, London UK.

May 2022 – Present

Data Migration Project - QAT Engineer:

- QAT engineer in wider team ensuring pipelines are maintained within a multi-year data migration project.
- Operated within a Python environment using SQLAlchemy and Pandas for data access and analysis.
- Key Achievement – reduced legacy framework run-time by 80% through python and bash scripting.
- Crafted test data and refactored legacy test framework to accommodate evolving functionalities.
- SOPs: documentation in Confluence and JIRA task management ensuring alignment with project objectives.
- Collaborated on version control via GitLab within a 2-week sprint Agile environment.
- SQL scripting to understand database behavior and AWS for data storage (RS and s3 buckets) and management.

Selenium Framework Development - Junior QAT Engineer:

- Assisted in the development of a Java Selenium framework from scratch in a 3-person team.
- Key achievement – Integrated novel tools (Geckodriver, WinAppDriver) with traditional selenium-ready in tools for complete and successful application test coverage.
- Structured clear test scenarios using Cucumber BDD for collaboration.
- Developed a regression test suite and corresponding reports from the framework.
- Supported parallel development of the customers application, working close with all shareholders. Conducted interviews with customers to understand their requirements thoroughly.

Technical Application Specialist. Cellexus Int. Dundee, UK

September 2021 – March 2022

- Biotechnology position, primary goal to characterize the patented bioreactor with respect to key bioprocessing parameters. - *White Paper* achieved and produced in partnership with CPI and IBioIC.
- Provided technical bioreactor/biochemical engineering advice to private companies and research facilities primarily in the bacteriophage market.

Internship. BioSep. Remote, UK.

June 2021 - Sept 2021

- Key responsibility was to generate a techno-economic assessment and Life Cycle Analysis (LCA) report on this novel technology and compare with relevant technologies, highlighting possible areas for improvement.
- Gained valuable experience working for a startup specializing in sustainable green technology, contributing to innovative projects and adapting to the dynamic nature of the industry.