

Adelaide Baron

Software and automation engineer specialising in building reliable automated systems, scaling quality through test standardisation, and shipping high-impact software solutions.

Work Experience

Software Engineer Thales

Jan 2025 - Present

- Java engineer focussing on sonar signal processing from hydrophones, to display on a sonar operator GUI.
- Lead the Software Testing & Automation Guild, aligning strategy across UK & France sites; recently conducted a guild survey with an 18% response rate to identify tool gaps and standardisation needs.
- Secured internal R&D funding to establish automated testing for underwater systems, independently leading the year long delivery phase.
- Leading shift-left testing adoption, successfully reducing defect resolution time by 67%.
- Designed GUI quality gates using Squish, automating tests across legacy and modern applications on BMN and open networks.
- Automated Linux deployments via Bash, cutting manual setup time by 83%.
- Supporting an agile team as a Scrum Master, recently implementing a hybrid approach with Kanban to manage our fluid delivery goals.
- Engaged in continuous outreach, including presenting at the "Summer of STEM" webinar to promote technical excellence.

Software Test Engineer Visa - Currencycloud

Oct 2022 - Jan 2025

- Implemented parallel automation testing, cutting build times by 73% and ensuring 100% CI/CD stability via pod init tasks.
- Developed API services in AWS/Kubernetes environments and led a Kafka Outbox migration for a high-traffic service (500k+ req/day).
- Integrated K6 performance tests into the pipeline and mentored a new team managing North American payment processing.

Junior Java SDET Consultant Sparta Global

May 2022–Sep 2022

- Completed 8-week intensive training followed by placement as a frontend manual and automation test engineer for a government client.

Teaching and Technical Outreach

Lead Instructor & Technical Content Creator Code First Girls

Apr 2022 - Present

- Delivered 16-week Software & Data Engineering, and Data Science, bootcamps, teaching beginners through to junior-level software engineers
- Delivered 4-week professional courses on Applying AI in the Workplace, Machine Learning, and Java
- Taught 2,800+ women across all programmes
- Designed and created the technical content for the 5-week specialisation module of the Software & Data Engineering bootcamp and the standalone Java course
- Redesigned the software engineering CFG degree curriculum

Technologies and Languages

- Languages: Java, Python, C++, Bash
- Technologies: MySQL, Postgres, AWS, Git, {other technologies}
- Other: Data structures and algorithms, {other relevant skills}

Projects

Members Hub	Mersey Rowing Club	Delivered 2026
Developed microservices to automate scheduling for Mersey rowing club, saving 29 hours of club time per week		
Fitness Tracker Upgrade	Code First Girls	Oct 2024 - Dec 2024
- Upgraded a full-stack fitness tracking application as part of a 4-person agile team, in a mid-level engineer upskilling bootcamp - Integrated GraphQL to reduce endpoint sprawl from the existing REST API - Introduced UI system tests with Cucumber & Selenium, replacing manual testing and enabling regression testing - Automated deployment using Terraform		

Eduction

• BSc Mathematics (Hons), First Class	University of Lincoln	2022
• ISTQB Certified Tester Foundation Level (CTFL)		2022
• Mid Level Bootcamp & Data CFGDegree (Distinction)	Code First Girls	2022–2025

Interests

• TechWomen100 Award (2025)	and British Rowing Young Volunteer of the Year (2025)
• Women in Tech D&I Power List Winner (2024, 2025)	and Code First Girls Ambassador