

QASIM MAHMOOD

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PROFESSIONAL PROFILE

Senior SDET and Imperial College MEng graduate with 7+ years specialising in TypeScript/Playwright automation, API-first testing, and compliance-critical quality gates in regulated FinTech and digital asset custody. Built and scaled automation frameworks from the ground up, including headless strategies for complex auth flows. AWS ML Engineer Associate and AI Practitioner certified, with hands-on experience applying AI tooling to testing workflows.

Key technical skills: Playwright, Cypress, Selenium, Appium, Maestro, Cucumber, Java, JavaScript, TypeScript, Python

WORK EXPERIENCE

Zodia Custody – Senior Software Development Engineer in Test (SDET) **Sept 2024 – Present**

- Developed **automation frameworks** from the ground up, written in **TypeScript/JavaScript** using **Playwright**, to decouple testing from physical devices; as well as a k6 testing framework for load and performance testing
- Engineered a Headless Automation Strategy for **complex Mobile-to-Web handshakes** (MFA/QR), simulating biometric payloads via API to achieve **100% CI/CD reliability** without hardware dependencies
- Engineered the test harness for the first institutional IOTA Rebased Staking implementation in the UK & ADGM
- Built the **automated compliance gates** for FATF Travel Rule (Notabene) integration. Developed logic to intercept and validate VASP-to-VASP data payloads, preventing regulatory breaches in settlement flows

Visible – Lead QA / Software Development Engineer in Test (SDET) – Contract role **Feb 2024 – July 2024**

- **Led the QA effort** across the company and product, including capturing bugs, manual testing and automated testing
- Built a **mobile automation framework** from the ground up using **Maestro**, **speeding up release times by 1000%**

Playroll (part of VAT IT Group) – Lead Software Development Engineer in Test (SDET) **Sept 2022 – Jan 2024**

- **Pioneered the QA effort** across the company and product, as the first member of the QA team
- Developed a **web automation framework** from the ground up, written in **TypeScript/JavaScript** using **Playwright**, and integrated it into a **GitHub Actions CI/CD pipeline**, which significantly **sped up release times by 900%**
- Maintained and investigated **nightly Playwright test runs and releases**, increasing overall confidence in the product
- Collaborated directly with the CTO and Head of Engineering, **managing a small team**

Crypto.com – Software Development Engineer in Test (SDET) **May 2022 – Aug 2022**

- **Planned and led testing and Live Proving** of Apple Pay and Google Pay. Initially released to the US market, then expanded worldwide to **over 50 million users**. Collaborated with the team to release to a tight deadline
- Helped plan initiatives to **shift left** and significantly **improve QA impact** in the SDLC

Moneybox – QA Engineer (promoted from Junior QA Engineer) **Dec 2018 – April 2022**

- Contributed significantly to the **automation suite for over 2 years**, written in **Java** with **Appium and Cucumber**
 - Automated new features, improved and updated existing tests, and reviewed pull requests from the team
- **Planned and led end-to-end testing and Live Proving** of major new features, including the addition of 6 new funds, which led to customer deposits exceeding **£2.4m**. Collaborated with the wider team to release in time
- **Interviewed almost 200 people** to expand the QA team from **just myself** to a team of **almost 30**
- Tested both the **iOS and Android apps**, the **backend API** with **Postman**, and the **databases** with **SQL**

Wyman Gordon – Graduate Materials Engineer **Oct 2017 – Nov 2018**

EDUCATION & TRAINING

Imperial College London – MEng Aerospace Materials (2:1 - Upper second class) **Oct 2013 – Oct 2017**

- Final year research project sponsored by Rolls-Royce - "The effect of carbon and boron on Co/Ni γ/γ' superalloys". Tested alloys to determine how carbon and boron affects various properties at room and elevated temperatures

Chadwell Heath Academy **Sept 2006 – June 2013**

A Levels: Mathematics (A*), Physics (A), Chemistry (A), English Literature (A)

TECHNICAL SKILLS & LANGUAGES

- **Certifications:** [AWS Machine Learning Engineer Associate](#), [AWS Solutions Architect Associate](#), [Claude Code Essentials](#) [Microsoft Azure Fundamentals \(AZ-900\)](#), [ISTQB Advanced Level Test Analyst](#), [ISTQB Foundation Level](#)
- **Programming Languages:** SQL, Python, JavaScript, TypeScript, Java, Gherkin, MATLAB
- **Automation Frameworks:** Playwright, Cypress, Maestro, Selenium, Appium, Cucumber, k6
- **IT skills:** Agile (Scrum & Kanban), Git, GitHub, Postman, Charles Proxy, IntelliJ, VS Code, XCode, Android Studio, Atlassian Jira, Confluence, Hangfire, Mixpanel, Intercom, Rapid7, Datadog, Lever
- **Languages:** Urdu (listening), Hindi (listening), Arabic (Level 1 from Ibn Jabal Institute), English (fluent)
- **Soft skills:** Growth mindset, creativity, communication skills, critical thinking, leadership, emotional intelligence