

# Jack Reilly

Software Development Engineer in Test

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## Summary

Software Development Engineer in Test with a focus on automation frameworks and infrastructure. Experienced in leading test strategy, building greenfield frameworks, and mentoring graduate engineers.

## Experience



**Ciena - Edinburgh, Scotland, United Kingdom**

### Software Development Engineer in Test (SAOS) (Oct 2025 – Present)

- Currently contributing to a **transformation project** focused on building and standardising a QA framework and infrastructure supporting **1,200 engineers** across multiple product teams.

### Software Test Engineer (SAOS) (Oct 2024 – Sep 2025)

- Technically led the **manual and automated test strategy** for a team of 7 engineers transitioning to a new functional area.
- Built a **greenfield deployment framework** for a virtual Broadband Network Gateway (vBNG) solution executing nightly regression tests on a brownfield in-house test framework.
- Brought up a **new QA lab** comprising 18 Dell R760 + R660 devices.
- Authored **onboarding and organisation-wide documentation** to improve ramp-up and knowledge sharing.
- Developed strong understanding of **virtualised Broadband Network Gateway (BNG)** technologies and topologies.
- Mentored team members through the functional transition process.

### Software Test Engineer (Vyatta) (Jul 2022 – Oct 2024)

- Drove progress within a **new solution testing team** focusing on an **SD-WAN Cloud Networking solution in Azure**.
- Designed and implemented a **multi-threaded, greenfield test framework** covering end-to-end testing from web application to network device.
- Automated regression testing using **Python, Bash, Robot Framework, Spirent, Selenium, and Jenkins**.
- Developed and maintained **QA lab infrastructure** and **Azure cloud environments**.
- Mentored junior engineers through **on-the-job training** and personalised learning materials.



**QinetiQ - Isle of South Uist, Scotland, United Kingdom**

### RF, Networks and Communications Engineer (Sep 2020 – Aug 2021)

- Performed regular **maintenance and fault-finding** on systems supporting Communications, Range Clearance, and Range Safety.
- Diagnosed and repaired **CCTV, Access Control, Radio Voice Comms, VOIP (Voice & Video), Radar Displays, Microwave Links, NTP Clocks, and in-house systems**.
- Planned and executed **installation of new equipment** aligned with project demands.
- Tested and commissioned systems for handover to operational teams.
- Managed **spare parts procurement** for rapid repair capability.
- Operated **sea surveillance radar systems** ensuring range safety during live operations.
- Provided **on-the-job training** and led technical walkthroughs for visiting engineers and management.

## Education



**Abertay University - Dundee, Scotland, United Kingdom**

### Bachelor of Science (BSc) - Computing (2017 – 2022)

## Licenses & Certifications

- **ISTQB** Certified Tester Foundation Level
- **AZ-900** Microsoft Azure Fundamentals