

• AVAILABLE FOR NEW OPPORTUNITIES

# Finley Walker

## Embedded Systems Test Engineer

5+ years across software QA, automated testing, API & SQL validation, field deployment, systems integration, and technical fault diagnosis. ISTQB-certified, currently working hands-on with autonomous defence systems in the field.

**5+**

Years in software & systems testing

**700%**

Increase in automated test coverage

**10+**

Dogs located & reunited

📜 ISTQB Certified

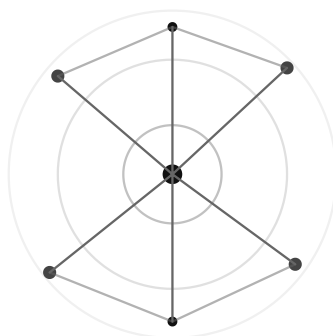
⚠️ NEBOSH Award in Managing Risk

🚁 A2 CofC Drone Pilot



## About

01



Embedded Systems Test Engineer with over five years of experience across software quality assurance, automated testing, API and SQL validation, field deployment, systems integration, and technical fault diagnosis.

Currently supporting the deployment and integration of autonomous defence systems, working with Linux-based environments, Rust-based systems, edge devices, command-line tools, and hardware–software interfaces. Previous experience spans software testing within engineering, measurement, medical, finance, CRM, media, e-commerce, mobile, and server-side environments.

ISTQB-certified, with a practical and safety-focused approach to testing complex systems, investigating faults, validating releases, and working collaboratively with software, hardware, and operational teams.



# Experience

02



## Field Engineer @ Helsing

Aug 2024 – Present

DEFENCE • FIELD DEPLOYMENT

Supporting the deployment, integration, testing, and operation of autonomous defence systems across multiple field sites, working across software, hardware, and network interfaces alongside engineering and operational teams.



## Automated Software Test Engineer @ Serial Affinity

Nov 2022 – Apr 2024

SAAS • TEST AUTOMATION

Wrote and maintained automated regression test scripts in Cypress (JavaScript/TypeScript) for products across finance, CRM, and media-hosting projects, growing the automated test suite from 15 to 120 tests within an Agile delivery environment.

- › Grew the automated regression suite from 15 → 120 tests
- › Investigated failed tests and defects with clear reproduction steps
- › Supported sprint, release, and regression testing

### CHALLENGE

Release confidence was low — only 15 automated checks covered finance, CRM, and media-hosting products, so most regression testing was manual and slow to run each sprint.

### APPROACH

Built out the Cypress (JavaScript/TypeScript) suite from the ground up sprint by sprint, prioritising the highest-risk user flows first and integrating new tests into the team's per-sprint release cycle.

### RESULT

Grew the suite from 15 to 120 automated tests — an 8x increase — cutting manual regression effort and giving the team faster, more reliable release confidence.



## Software Tester @ Culina Group Limited

Jun 2022 – Nov 2022

LOGISTICS • QA

Manual and automated testing across web applications and mobile devices, with a focus on API validation, SQL-based data checks, defect investigation, and release quality.

- › API testing and SQL validation of back-end system behaviour
- › Built and maintained automated tests using Cucumber
- › Supported Agile sprint, regression, and release testing



## Software Tester / Junior Test Engineer Technician @ Renishaw

Sep 2019 – Mar 2022

ENGINEERING • MEASUREMENT

Progressed from apprentice to Junior Test Engineer Technician within an engineering and measurement-focused organisation, writing and maintaining automated tests in Ranorex (C#) across e-commerce, medical, and CMM (coordinate measuring machine) environments.

- › Helped introduce and expand automated testing using Ranorex (C#)
- › Executed planned tests and investigated software defects
- › Maintained technical documentation for developers and stakeholders



## Skills

03



### Embedded & Hardware

Hardware–software integration



Linux imaging & flashing



CAN & IP network interfaces



Field deployment & fault diagnosis





## Software Testing

Automated testing



API & SQL validation



Regression & release testing



Exploratory & defect investigation



## Languages & Tools

Linux / Unix

Rust

C#

JavaScript

TypeScript

SQL

Cypress

Cucumber

Ranorex

Command-line tools



## Practices

Agile development

Sprint testing

Root-cause investigation

Technical documentation

Cross-functional collaboration



## Certifications

04



ISTQB Certification



NEBOSH Award in Managing Risk



A2 Certificate of Competency (UAV/Drone Operation)



PAT Testing / Electrical Inspection



Powerboat Level 2 · STCW  
Personal Survival Techniques ·  
Elementary First Aid



## Education

05



### Foundation Degree in Software Testing

Oct 2019 – Oct 2021

Gloucestershire College



### Level 3 BTEC Diploma in Information Technology — 120 Credits

2016 – 2019

Worcester Sixth Form College

Experienced working in confidential and restricted technical environments, across software, hardware, embedded systems, and field operations.



## Volunteer & Projects

06



### Search & Rescue Drone Coordination — Worcester

Volunteer drone operator and search coordinator supporting lost-pet search operations across Worcester, working alongside other local search groups. Directly helped locate and reunite 10+ dogs with their owners over two years of active field searching; now focused on search administration, coordination, and planning rather than leading searches from the field.

10+ dogs located & reunited • 2 years of active field search



### DIY Search-Area CCTV — Ring + 5G

Built a portable remote-monitoring rig for search operations by adapting Ring doorbell cameras with 5G modems as backhaul, giving the team live monitoring of search areas and access points with no existing wifi or fixed network coverage.



### Cypress Test Automation Demo — GitHub

A small end-to-end test automation example built in Cypress, demonstrating the same suite structure and patterns used to grow the regression suite at Serial Affinity from 15 to 120 tests.

[View on GitHub →](#)

Also on GitHub: a handful of [CodeWars kata solutions](#) from ongoing coding practice.



## Contact

Open to new opportunities — get in touch.

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