

# ASGAR YOUSEF GHASRIKI

## Senior QA Engineer | Embedded, Mobile & Web Testing

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EU Citizen | Full EU Work Authorization | No Sponsorship Required

## PROFESSIONAL SUMMARY

Senior QA Engineer with 6+ years of experience testing embedded IoT devices, mobile applications, and web platforms across FinTech, IoT, media, retail, and regulated industries. Skilled in exploratory testing, API validation, network traffic debugging, firmware behavior analysis, and multi platform integration.

Built and led a QA team from 0 to 7 testers, designed 250+ end to end test cases and 60+ regression suites per cycle, improved SDLC workflows, and contributed to near zero defect releases. Strong collaboration with developers, PMs, designers, and firmware teams. Further developing automation skills (Java, RestAssured, JMeter, TestNG) to complement embedded and exploratory expertise.

## KEY ACHIEVEMENTS

- Built a QA team from 0 to 7 members; mentored all into QA/dev roles (100% success).
- Designed and executed 250+ E2E test cases and 60+ regression tests per release cycle.
- Delivered near zero production defects across multiple product domains.
- Standardized QA workflows, documentation, and test coverage strategy.
- Improved SDLC quality gates and release predictability.
- Strengthened embedded, mobile, and web quality via deep API/log based debugging.

## TECHNICAL SKILLS

**Testing:** Manual, Exploratory, Regression, E2E, UI/UX, API, Security, Performance, Firmware, Hardware, Embedded Systems

**Tools:** Charles Proxy, Postman, Swagger, Bitvise SSH, Web DevTools

**Platforms:** iOS, Android, Windows, macOS, Embedded IoT Devices, Web Applications

**Collaboration:** JIRA, Confluence, Figma

**Scripting:** JSON, HTML, CSS

**Learning:** Java, RestAssured, JMeter, TestNG

## SELECTED EMBEDDED PROJECTS (UMWERK)

### 5" Heat Pump Embedded Display System

UMWERK d.o.o.

- Tested embedded UI and firmware behavior across multiple hardware revisions
- Analyzed logs, device pairing flows, and network connectivity (Wi-Fi/Bluetooth/Ethernet)
- Debugged API/device sync issues using Charles Proxy and SSH logs
- Verified sensor data accuracy, state transitions, and recovery from frozen states

### Tankless Boiler Controller – Embedded & Mobile App Integration

UMWERK d.o.o.

- Validated firmware mobile app communication and cross device connectivity
- Performed network debugging (Wi-Fi pairing, BLE discovery, cloud sync)
- Reproduced complex field issues using log traces, device events, and error patterns
- Confirmed correct operation modes, safety cutoffs, and multi step configuration flows

## RELEVANT SKILLS FOR SAFETY-CRITICAL & AI-SUPPORTED SYSTEMS

- Experience testing **safety-relevant embedded devices** (heat-pump controllers, tankless boiler systems), including error states, recovery behavior, and device protection logic.
- Strong focus on **log-driven debugging**, analyzing device events, communication flows, and reproducible issue patterns across firmware, hardware, and mobile/cloud interfaces.
- Skilled in validating **system consistency and decision logic**, including state transitions, sensor values, and device responses applicable to AI-assisted or rule-based workflows.
- Familiar with **structured documentation**: test protocols, regression suites, reproducible steps, and requirement-based test validation.
- Extensive experience with **multi-device integration testing** (embedded ↔ mobile ↔ cloud), mirroring how complex device ecosystems behave in regulated or high-reliability environments.

## KEY INDUSTRIES & PROJECT DOMAINS

- Embedded IoT systems (heat pumps, smart home devices)
- Mobile banking and financial services
- Media/streaming and high traffic mobile applications
- Retail and e-commerce platforms
- Firmware, hardware, and device integration testing
- API driven multi platform systems

## WORK EXPERIENCE

### Freelance Senior QA Engineer – Embedded Systems (NDA)

Asgar Yousef Ghasriki s.p. | Jan 2025 – Present | Hybrid | Part-Time

- Tested embedded device applications under NDA, focusing on system stability, state transitions.
- Analyzed device logs, event timelines, and secure SSH diagnostics to identify hidden issues and verify recovery mechanisms.
- Conducted exploratory, stress, and random input testing across hardware configurations.
- Validated firmware interactions, device communication flows, and multi component synchronization.

### Freelance Senior QA Engineer – Mobile, Web & IoT

UMWERK GmbH | Aug 2023 – Dec 2024 | Remote

- Delivered QA for mobile apps, web platforms, and IoT connected products in media, retail, and financial domains.
- Performed exploratory, regression, and UI/UX testing across iOS, Android, and web platforms.
- Conducted API testing and data validation using Postman and Charles Proxy.
- Investigated synchronization issues and backend frontend mismatches using logs and network traffic tracing.
- Ensured content accuracy, functional stability, and predictable releases across multiple product teams.

### Lead QA Engineer – Embedded, Mobile & Web

UMWERK d.o.o. | Aug 2022 – Aug 2023 | Ljubljana | Hybrid

- Led a team of 7 QA testers across embedded IoT, mobile, and web projects; managed test coverage, prioritization, and daily standups.
- Designed 250+ E2E test cases and 60+ regression suites per release, improving release predictability and client satisfaction.
- Standardized QA workflows, quality gates, reporting structure, and documentation templates.

- Collaborated with developers, PMs, designers, and firmware engineers to resolve hardware software integration issues.
- Mentored junior testers, conducted CV reviews, interviews, and training.

### **QA Engineer – Embedded, Mobile & Web**

UMWERK d.o.o. | Sep 2019 – Aug 2022 | Ljubljana | Hybrid

- Performed manual and exploratory testing across embedded IoT devices, mobile apps, web applications, and desktop platforms.
- Used Charles Proxy, Postman, SSH, and log inspection to debug API flows and device communication issues.
- Validated firmware behavior, device connectivity, and cross platform consistency.
- Maintained 60+ regression test cases per release and ensured multi version stability.
- Collaborated closely with developers and PMs to verify bug fixes and ensure clear documentation.

### **QA Intern – Mobile & Web**

UMWERK d.o.o. | Jun 2019 – Sep 2019 | Ljubljana

- Supported UI/UX testing, API checks, and regression test development.
- Assisted with bug reproduction, log inspection, and documentation.

## **SOFT SKILLS**

Critical Thinking • Attention to Detail • Leadership • Adaptability • Reliability • Problem Solving • Communication

## **ADDITIONAL EXPERIENCE**

### **Interpreter – Ministry of Interior (Slovenia) | 2016–2023**

Legal, medical, and administrative interpretation.

### **Interpreter – Slovenska Filantropija | 2017–2019**

Humanitarian and medical translation.

### **Volunteer – Slovenska Filantropija | 2016–2023**

Provided medical translation and refugee assistance.

### **Chief HSE Assistant – Oil & Seismic Industry**

BGP International | 2013–2015

HSE training, safety drills, hazard communication, and documentation.

## **EDUCATION**

### **B.Sc. in Computer Software Technology Engineering**

Khoy University, Iran | 2007–2011

## **CERTIFICATIONS**

ISTQB Certified Tester – Foundation Level (In Progress)

Postman API Testing (In Progress)

## **LANGUAGES**

English (Advanced) • Kurdish (Native) • Persian (Fluent) • Turkish (Upper-Intermediate)  
Azerbaijani (Upper-Intermediate) • Slovenian (Elementary) • Arabic (Beginner)

## REFERENCES & RECOMMENDATIONS

Professional recommendation available from former technical leadership at UMWERK GmbH.

Full recommendation letter available upon request.