

# Hasan Huseyin Ali Gul

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**Senior Automation QA Engineer** with extensive experience designing test automation frameworks and driving quality assurance initiatives across agile development environments. Expertise in creating scalable testing strategies, integrating CI/CD pipelines, and leveraging tools, such as Selenium, Cypress, Appium, and Postman for the validation of web, mobile, and API platforms. Adopted test automation best practices to accelerate delivery cycles, reduce defect leakage, and enhance product reliability. Collaborated cross-functionally with development and product teams to align testing goals with business outcomes and release high-performing, bug-free applications. Recognized for optimizing test coverage, minimizing manual efforts through strategic automation, and advancing quality-engineering standards across enterprise-grade software products.

## Core Competencies

Automated Test Script Development | Bugs Identification & Resolution | Test Code Generation | Test Planning & Prioritization | Root Cause Analysis | Usability, Regression, Cross-Browser, & Backend Testing | UI/UX Test Automation | Containerization | QA Process Alignment & Team Mentorship | Test Framework Design | Stakeholder Communication & Technical Presentations | Risk Mitigation | Monitoring & Visualization | System Performance Enhancement

## KEY HIGHLIGHTS

- Earned the "All Star" award for exceptional performance, quality assurance, test automation, and significant contributions to company success.
- Recognized by Huawei for leading User Acceptance Testing (UAT) on-site in Riyadh, ensuring the software met client expectations and quality standards, and providing feedback that supported successful project delivery.
- Confirmed the scalability and performance of software products by conducting performance testing under varying load conditions.
- Automated critical testing processes by developing scripts to execute key system checks, reducing manual effort and improving testing accuracy and efficiency.

## PROFESSIONAL EXPERIENCE

**SDET** • [Afiniti](#) • Istanbul, Türkiye • Jan 2022 – Present

- Improved test reliability and deployment speed with the automation of regression test cases, utilizing Cypress.
- Facilitated instant test result tracking and detailed assessment of results by linking test execution data with InfluxDB and Grafana.
- Presented a technical session on InfluxDB at the company's internal Tech Day while encouraging tool adoption and promoting team knowledge sharing.
- Guided two teams in aligning with QA processes, automating test scenarios, and following sprint epics for better efficiency.

**QA Engineer** • [Property Finder](#) • Istanbul, Türkiye • Jan 2021 – Jan 2022

- Enhanced test coverage and fast-tracked regression testing cycles by designing and optimizing automated test scripts in Ruby, which led to faster releases and more reliable software.
- Ensured data consistency, accurate indexing, and high-precision search functionality across distributed environments by creating and running test scenarios for Elasticsearch.

**Senior QA Engineer** • [Kunduz](#) • Istanbul, Türkiye • Sep 2021 – Jan 2022

- Reduced manual testing efforts and accelerated regression testing for Android and iOS applications by engineering cross-platform mobile test automation using Appium.
- Improved backend testing efficiency by developing and managing API test automation frameworks in Python and Java.
- Facilitated the testing of real-time application features and performance by automating WebSocket scenarios with Java.
- Eased CI/CD integration and simplified environment setup by containerizing the entire automation test suite with Docker.

**Test Automation Engineer** • [DataSoft](#) • Istanbul, Türkiye • Sep 2019 – Sep 2020

- Increased backend testing and validated thorough functionality of RESTful services by automating API test cases with Java.
- Boosted test coverage and ensured optimal functionality of frontend applications by designing and performing UI automation test cases using xUnit and C#.
- Created UI automation frameworks with Selenium/Java, making cross-browser testing faster and more reliable for web applications.

**Senior QA Engineer** • [OpenPayd](#) • Istanbul, Türkiye • Mar 2019 – Oct 2019

- Streamlined GraphQL API integration by automating GraphQL tests, using Java and Apollo Client, improving system reliability.
- Engineered and implemented mobile test automation with Appium, which enhanced test coverage and reduced manual testing efforts for mobile applications.

**Information Security Engineer** • [Halkbank](#) • Istanbul, Türkiye • Feb 2017 – Mar 2019

- Developed automated security test cases to assess security control effectiveness and uphold compliance with internal security standards.
- Uncovered system vulnerabilities and implemented risk mitigation strategies by performing penetration tests in collaboration with the development team.
- Restricted access to critical systems by enforcing RACF security protocols as per organizational security standards.

#### **Test Automation Engineer • *Saha Bilgi Teknolojileri* • Istanbul, Türkiye • May 2016 – Feb 2017**

- Ensured consistent app quality and functionality across iOS/Android devices by automating mobile test cases with Appium.
- Minimized testing time and improved productivity by optimizing mobile testing through the development of reusable/maintainable test scripts.

#### **Software Test Engineer • *Huawei Technologies* • Istanbul, Türkiye • Jul 2015 – May 2016**

- Improved software performance by developing and running test cases that covered all key areas.
- Enhanced testing efficiency and improved defect detection accuracy by executing automated test cases using Selenium WebDriver.
- Verified software worked as expected by testing its functionality from a user's perspective, without access to the internal code.

#### **IPTV Test Engineer • *ALCAD* • Istanbul, Türkiye • Jul 2013 – Jul 2015**

- Led quality assurance through rigorous manual testing of IPTV channels, identifying and resolving bottlenecks to maintain a premium user experience.
- Deployed and optimized IPTV systems by configuring hardware/software for seamless service delivery and troubleshooting both on-site and remotely to minimize downtime.
- Engineered Linux-based solutions by performing software configurations on Debian/Ubuntu servers to enhance stability and performance for IPTV infrastructure.
- Ensured secure, high-performance communication channels for uninterrupted streaming services by managing network switch configurations.

## **EDUCATION**

**Bachelor of Science in Computer Science:** University of Canakkale OnSekiz Mart

## **TECHNICAL SKILLS**

Angular • C# • Java • .net core mvc • Java Spring • JSON • Docker • Selenium • Jenkins • PowerShell • Grafana • Appium • GraphQL  
Zsecure • Influxdb • JMeter • Insomnia • MSSQL • MYSQL • POSTGRESQL • SQLMAP • FUZZY • SNORT • NMAP • Debian Ubuntu •  
Centos • SOAPUI • POSTMAN

## **LECTURES**

#### ***TestingMind Test Code Generator Using NLP — 2025***

- Attended a conference on using NLP techniques to automate test script generation and explored application in test code creation.

#### ***PATİKA QA for Business Analysts Practicum — FMSS — 2023***

- Conducted a 2-hour focused session on the role of QA in business analysis and requirements validation.

#### ***BİLGE ADAM Manual Test and Automation Processes — 2022***

- Led a 40-hour training on manual testing processes, test case design, and automation framework development.

#### ***PATİKA Test Automation Practicum — A101 — 2022***

- Facilitated a hands-on practicum providing real-world experience in test automation practices.

#### ***PATİKA Test Automation and QA — enuygun — 2022***

- Delivered 45 hours of instruction on advanced QA methodologies and industry-standard automation tools.

#### ***PATİKA Test Automation and QA — n11 — 2021***

- Taught a 70-hour comprehensive course covering core QA concepts and commonly used automation tools.

#### ***BİLİŞİM EĞİTİM Android, Arduino — 2019***

- Delivered 40 hours of training on Android development and Arduino, with emphasis on mobile application development and embedded systems.

## **PROJECTS**

IPTV Server Side Application (JAVA) | IPTV Web Application Automation (JAVA) | Mobile Telecommunication App (JAVA) | Intranet Application Software Security Testing | Finance Mobile & Web Application (JAVA) | CRM, e-invoice web application (JAVA, C#) | E-Property web application (RUBY) | Call Center Web application (CYPRESS) | Test case management APP for QA Team (JAVA Spring and Angular)