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## ABOUT ME

Strategic Quality Assurance Lead and PhD Candidate in Computer Engineering with 10+ years of expertise in architecting robust testing ecosystems. Specialized in designing end-to-end automation frameworks and leveraging AI-enhanced methodologies to drive product excellence in high-stakes sectors. Proven track record of leading cross-functional teams and managing complex quality lifecycles for global-scale products.



## LANGUAGE

- Turkish - Native
- English - Professional
- Spanish - Intermediate



## PERSONAL DETAILS

- **DOB:** Feb 10, 1993
- **Nationality:** Turkish
- **Driving License:** Class B & Class A
- **Military Service:** Done

# EKREM EROL

## Computer Engineer, M.Sc.

PhD Candidate in Computer Engineering  
ISTQB® Certified (CTFL)



## WORK EXPERIENCE

### TEAM LEAD, QUALITY ASSURANCE ENGINEERING

Digital Turbine Inc. (2023 - Present)

- Leading and scaling the QA team to support global mobile advertising operations, ensuring 100% defect-free delivery.
- Architecting and implementing automated testing pipelines, significantly reducing time-to-market for complex ad products.
- Strategizing cross-functional collaboration between Dev, Product, Data, Creative and AdOps teams to optimize quality lifecycles.

### SOFTWARE QUALITY ASSURANCE ENGINEER

Digital Turbine Inc. (2021 - 2023)

- Executed comprehensive test cases, performed rigorous troubleshooting, and collaborated with cross-functional teams to ensure the delivery of high-quality mobile advertisement products. Leveraged mobile platform expertise to optimize test execution and product reliability.

### RESEARCH ASSISTANT

Istanbul Arel University (2018 - 2021)

- Computer Engineering (English) Department
- Distance Learning Coordinator in Computer Engineering (English) Department
- Arel University Rover Team (ART) Advisor
- IEEE EBBT Committee Member

### LEAD QA ENGINEER

Gigafun Games (2015 - 2017)

- Worked and managed as Lead QA Engineer for over 25 mobile (Android and iOS) games' testing cycles.



## ACADEMIC QUALIFICATIONS

### DOCTORAL DEGREE IN COMPUTER ENGINEERING

Istanbul University - Cerrahpasa (2019 - Present)

### MASTER'S DEGREE IN COMPUTER ENGINEERING

Istanbul University (2017 - 2019)

- **Thesis:** A comparison of software test automation tools

### BACHELOR'S DEGREE IN COMPUTER ENGINEERING

Istanbul University (2011 - 2016)

- **Thesis:** Smart Home Automation System



## EXPERTISE

- QA Strategy & Governance
- Team Leadership & Management
- Test Architecture Design
- AI-Enhanced Methodologies
- Risk-Based Testing
- Agile/SDLC Management



## CERTIFICATES

- **ISTQB Foundation Level (CTFL) - Turkish Testing Board, issued Feb 2023, ID: 0223-CTFL-4061**
- Diploma in Applied Generative AI, Alison, issued Sep 2025, ID: 7213-12384730
- **Master Generative AI (Artificial Intelligence), Alison, issued Sep 2025, ID: 6565-12384730**
- Generative AI and Large Language Models for Beginners, Alison, issued Sep 2025, ID: 6683-12384730
- **Diploma in Software Testing, Alison, issued May 2023, ID: 1582-12384730**
- Appium(Latest 1.8.2)-Mobile Automation Testing from Scratch - Udemy, issued Jul 2019, Credential ID UC-435EFFUA
- **Automated Software Testing with Python - Udemy, issued Jul 2019, Credential ID UC-X70UMLN6**
- Selenium WebDriver With Python 3.x - Novice To Ninja - Udemy, issued Jul 2019, Credential ID UC-N3F10AJM
- **Selenium WebDriver with Java - Basics to Advanced+Frameworks - Udemy, issued Jul 2019, Credential ID UC-W56BC7UU**
- Unit Test Yazma Sanati - Udemy, issued Jul 2019, Credential ID UC-8CZ6Q0GE
- **Arçelik - Unit Test Event, issued 2018, 3rd Place.**
- Violin Training Program, Republic of Turkey, Ministry of National Education, 2009



## CAREER GOAL

Dedicated to architecting scalable quality assurance infrastructures and leading high-performing engineering teams. Aiming to leverage deep technical expertise and academic research in AI-driven testing to establish world-class quality standards and drive organizational excellence at scale.



## AWARDS

- MMA Smarties MEA - Bronze Award - Spotify (2024)
- MMA Smarties MENA - Silver Award - Sony PlayStation (2024)
- MMA Smarties MENA - Golden Award - Almarai (May 2023)
- IAB TR Mixx Turkiye Golden Award - Games & In-Game Ads - Olips (December 2022)
- IAB TR Mixx Turkiye Silver Award - Games & In-Game Ads - Durex (December 2022)
- MMA Smarties Turkey - Silver Award - KazandıRio (2022)
- MMA Smarties Turkey - Bronze Award - Uni Baby (2022)
- MMA Smarties Turkey - Bronze Award - Nescafé Ne'App (2022)
- MMA Smarties Turkey - Bronze Award - Opet-Yandex Navi (2022)
- MMA Smarties Turkey - Bronze Award - KazandıRio (2022)
- MMA Smarties Turkey - Silver Award - Durex (2022)
- MMA Smarties Turkey - Bronze Award - Opet-Yandex Navi (2022)
- MMA Smarties EMEA - Bronze Award - Opet-Yandex Navi (2022)
- MMA Smarties EMEA - Bronze Award - Durex (2022)
- Recipient of 30+ additional Industry Awards (MMA Smarties, Campaign of the Month) for excellence in QA and project delivery (2022-2025)



## KEY SKILLS

- **Strategic Leadership:** Team Mentoring & Management, Stakeholder Engagement, and Resource Planning.
- **Quality Governance:** Establishing QA KPIs & Metrics, Process Optimization, and Risk Management.
- **Technical Architecture:** Designing and scaling automation frameworks using Selenium, Appium, and Playwright.
- **Engineering Core:** Advanced Python and Java for test utility development and complex Database Validation (SQL).
- **Process Mastery:** Expert knowledge of SDLC/Agile methodologies and CI/CD Quality Gate integration.



## PUBLICATIONS

### Enhancing Software Testing Through Artificial Intelligence: A Comprehensive Review

Advancing Software Engineering Through AI, Federated Learning, and Large Language Models (May 1, 2024)  
<https://www.igi-global.com/chapter/enhancing-software-testing-through-artificial-intelligence/54631>

### A Comparative Study for Evaluating Automated Software Testing Tools

*The Journal of Information Technologies (JIT), DergiPark (Jul 31, 2022)*  
<https://dergipark.org.tr/tr/pub/gazibtd/issue/71580/1057380>

### Canvas & Brush

ISBN: 13979-8722375940  
Language: English  
165 Pages  
<https://www.amazon.com/gp/aw/d/B08Z44S78Y/>

### Tuval & Fırça

ISBN: 9786257811484  
Language: Turkish  
192 Pages  
<https://www.kitapyurdu.com/kitap/tuval-amp-firca-/550911.html>



## INTERNSHIP / PRE-PROFESSIONAL

### SOFTWARE TEST ENGINEER (INTERNSHIP)

Anadolu Bilişim Hizmetleri (abh) (2014 - 2014)

- Worked as software tester for a budget tracking software.

### HARDWARE TEST ENGINEER (INTERNSHIP)

CASPER Computer Systems (2013- 2013)

- Worked as hardware test engineer for tablet, notebook and desktop computers.

### GAME TESTER & WRITER

LEVEL Online Video-Game Magazine (2012 - 2012)

- Worked as game tester for new released games and as writer for reviewing these games.