

# Erim Cerrahoğlu

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• <https://www.linkedin.com/in/erim-cerrahoglu/> •

<https://github.com/Ceraho> • [ceraho.dev](https://ceraho.dev)

## SKILLS

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Python, JavaScript/TypeScript, MySQL, MS SQL, OracleDB | NodeJS, Angular, React, NextJS, TailwindCSS | Selenium, Robot Framework, Pabot, PyTest, PyUnit, Postman, Playwright, Puppeteer, Cypress | Git, Docker, Linux, GitHub, GitHub Actions, JIRA, BitBucket, Confluence

## EXPERIENCE

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**Software Engineer In Test | Betsson Group | Malta, Ta'x Biex** April 2023 - Present

- Experience in Agile methodologies, particularly Scrum, having successfully applied them in various projects to deliver high-quality products efficiently and collaboratively.
- UI test automation with Puppeteer and Playwright.
  - Increasing end-to-end test coverage of the test automation tools.
  - Added API test automation coverage using Playwright.
  - Adding new features to the test automation tools.
  - Fixing and updating test scenarios accordingly with the changes to the project.
  - Integrate test automation tools to the GitHub Actions as workflows.
- Catching defects by manual testing efforts, creating reports, tracking them, and collaborating with developers on complex issues.
- Fixed caught UI defects on the frontend using Angular.

**Quality Assurance Engineer | Amadeus IT Services | Turkey, Istanbul** July 2021 - March 2023

- Experience in Agile methodologies, particularly Scrum, having successfully applied them in various projects to deliver high-quality products efficiently and collaboratively.
- Worked within Agile - Scrum environment, successfully delivered work in sprints.
- Designed and implemented API test automation tool using Python's Robot Framework.
- Designed new Postman collections for API testing and kept the old ones up-to-date with the changes to the backend.
- UI test automation with Playwright. Increased test coverage on the Playwright tool by designing new scenarios and maintaining the old ones.
- Caught defects by manual testing efforts, created reports, tracked them, and collaborated with developers on complex issues.
- Containerized automated tests with Docker.
- CI/CD with Jenkins.

## EDUCATION

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**Yeditepe University | Bachelor of Science, Computer Engineering** 2018 - 2022

## LICENSES & CERTIFICATIONS

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uDemy - Angular - The Complete Guide (2024 Edition) led by Maximillian Schwarzmüller 2024

uDemy - Next.js 14 & React - The Complete Guide led by Maximillian Schwarzmüller 2024

## PROJECTS

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### Responsive Personal Portfolio Website: Ceraho.dev | [GitHub Link](#)

NextJS, React, Typescript, NodeJS, TailwindCSS

- Designed and developed a responsive portfolio website for myself. Designed every page on Figma before development to have a clear understanding of what needs to be done.
- Used NextJS as my main front-end framework to achieve my designed website. NextJS was chosen instead of plain React due to its server-side rendering capabilities, SEO friendliness and easy to use app routing structure.
- Typescript was used to have the added safety of type definitions.
- For styling, TailwindCSS was utilized to have an easier time adding styling to the site.

### Robot Framework Based API Test Automation Tool

Python, Robot Framework, Pabot, PyTest, Requests Library, SQLAlchemy

- Designed and developed an internal API test automation tool for my previous employer, using the new and popular Robot Framework, which is built on top of Python.
- Utilized Pabot to achieve parallel execution with the Robot Framework, to speed up the test execution process.
- Developed the core functionalities of the tool, added unit tests for those functionalities using libraries such as PyTest.
- Employed libraries such as SQLAlchemy and Requests to reach to the API endpoints and access database.
- Implemented many E2E tests with the developed tool to increase automation coverage.

### Student Evaluation Tool For MÜDEK | [GitHub Link](#)

Python, Pandas, NumPy, PySimpleGUI, Excel

- Designed and developed a data science project from the ground-up using Python. Aim of the tool was to gather and evaluate many Excel files with complex structures filled with students' data. The tool was made as a desktop application that can run locally. Setup was easily done thanks to the Python compiler and Venv technology.
- For the processing of Excel spreadsheets, Pandas library of Python was utilized. With Pandas Dataframes it became possible to access, read and modify complex spreadsheets.
- To process the data stored within Dataframes, NumPy was used.
- PySimpleGUI was used to build the GUI of the application. GUI took parameters such as; inputs directory, output directory, mode selector, start process button, etc.