Luka Herceg

QA Engineer | Test Automation | Java Backend Development

Zagreb, Croatia | luka.herceg91@gmail.com | +385 97 677 5061
cv.hobbitscode.com

PROFILE

QA Engineer with over a decade of testing and Java backend experience. Introduced non-functional testing for web and native applications and builds AI-assisted testing tools. Takes ownership of work, with dedication to learning and solving unfamiliar problems.

PROFESSIONAL EXPERIENCE

QA Engineer

Super (formerly Happening) | Zagreb, Croatia | June 2025 - Present

Hired to introduce non-functional (NF) testing as the project's first QA engineer in this area, covering web and native applications.

- Create integration tests with Python and Ruby, focusing on load, performance, stability, and robustness.
- Extract performance metrics from Perfetto trace files and investigate application behaviour, contributing to the identification of significant performance issues.
- Use Evinced for accessibility testing, Jira for issue tracking, Notion for documentation, and Git for version control.
- Use AI to build dashboards and tools for tracking NF issues and understanding test results, reviewing and validating generated output.

Ericsson Nikola Tesla

Zagreb, Croatia | September 2015 - June 2025

QA Engineer | First role

- Automated integration tests with Java and Spring Boot to uncover functional and non-functional product issues.
- Built experience in performance, robustness, capacity, and stability testing; used Git for the test codebase and Jira for issue tracking.

Java Backend Developer | Second role

- Developed Java and Spring Boot backend services for a web application built around several microservices.
- Created API integration tests covering each controller endpoint and worked with mocked APIs in the test setup.
- Worked with PostgreSQL and Flyway database migrations; used Git for version control and Jira for issue tracking.
- Collaborated with design and frontend teams across application design, development, and testing. Participated in sprint planning, retrospectives, and reviews.

International experience included six months on-site in Dallas, working with customers and international teams.

Technical expertise and background

Luka Herceg | QA Engineer

TECHNICAL EXPERTISE

Test automation: Integration testing with Java and Spring Boot; Python and Ruby for web and native applications; Git for version control.

Non-functional testing: Performance, load, capacity, stability, and robustness; Perfetto metrics and Evinced accessibility testing.

Backend and databases: Java microservices and Spring Boot; controller endpoint integration tests with mocked APIs; PostgreSQL and Flyway database migrations.

AI-assisted tools: Dashboards, issue tracking, and test-result analysis, with critical review of generated output.

Web fundamentals: Basic HTML, CSS, and JavaScript knowledge applied to personal websites; static website deployment to AWS.

PERSONAL PROJECTS

Cloud-hosted portfolio

Built a responsive HTML, CSS, and JavaScript portfolio with light and dark themes. Hosted on Amazon S3 through CloudFront, with Route 53, AWS Certificate Manager, and Cognito for account sign-in.

Business website for Obrt Galoić

Created and deployed a website for a painting and decorating business using HTML, CSS, and JavaScript. Presented the business's services, project gallery, and contact information, and deployed the site to AWS.

Arduino car with RF joystick control

Built an Arduino-based car controlled through a self-made joystick. Used RF communication to send control commands wirelessly from the joystick to the car.

Arduino smart system

Created an Arduino-based system with temperature and humidity sensing and remote control to switch an air conditioner on or off from anywhere.

EDUCATION

MSc in Information and Communication Technology

University of Zagreb, Faculty of Electrical Engineering and Computing (FER) | 2013 - 2015

Bachelor's degree in Electrical Engineering

University of Zagreb, Faculty of Electrical Engineering and Computing (FER) | 2010 - 2013

LANGUAGES AND INTERESTS

Languages: Croatian; English (very good); German (basic).

Interests: Guitar and singing with TS Samo Tvoji; football, street workout, and boxing.