



# Marek GERGEL

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Passionate technical and programming engineer with a strong interest in development of applications, embedded systems, and IoT. I am driven by my curiosity and enthusiasm for exploring cutting-edge technologies and finding innovative solutions to complex problems. With a background in software design, development, and testing, I bring a creative and analytical mindset to every project I undertake.

## Education

- 2019–2025 **Information technology**, *University of Technology*, Brno (CZ)  
Unfinished bachelor's degree with interrupted studies during the pandemic (2020–2022).
- 2015–2019 **Electrical engineer**, *High school of industry*, Trnava (SK)  
Finished with maturity exam (Slovak, English, Informatics, Mathematics, Electrical engineering).

## Experience

### Vocational

- 08/2023–present **Test Automation Engineer**, *Siemens Healthineers*, Bratislava (SK), Part-time remote  
Java, Selenium, Azure DevOps, JavaScript, JUnit, Postman, IntelliJ IDEA  
Responsible for development and maintenance of automated tests written in Java with custom testing framework for Polarion web application. Involved in development of browser script for generating code template from Azure DevOps for new tests, that reduces time needed for test creation. Improved speed of automated testing with API requests for test setup and teardown instead of using UI.
- 07/2021–09/2022 **Test Automation Engineer**, *Accenture*, Bratislava (SK), Full-time hybrid  
Java, Selenium, Cucumber, GitLab, JIRA, JUnit, TestNG, SCRUM, Robot Framework, Postman, IntelliJ IDEA  
Responsible for design, development and maintenance of automated tests written in Java (Selenium) and Cucumber for web application of an Austrian insurance company. Applied continuous integration at GitLab with reports. In training during employment gained experience with API testing, CI/CD and Robot Framework.

### Miscellaneous

- 10/2017–10/2018 **Mobile phone repairman and shop assistant**, *FixServis*, Trnava (SK), Part-time onsite  
Responsible for repairing mobile phones and selling accessories.

## Projects

- 2019–present **Electric longboard**, *Longtime personal project*  
C, C++, Java, Android, ESP32, ESP-IDF, Arduino  
Electric motor driven board powered with batteries and wireless controller. Core of the project are microcontrollers programmed in C/C++ using ESP-IDF framework and Arduino libraries. Controllable with custom controller or phone Android application written in Java with more advanced options. Project development has started at high school, continued during university studies and is still ongoing.
- 2020 **Script for project testing**, *Personal project*  
Bash, Make, Valgrind  
Bash script to run automated project testing. Script consists of operations for program build, memory check for leaks and invalid memory operations, program output comparison with reference. Testing can focus on selected parts based on user requirements. Made for university projects written in C/C++.

## Languages

Slovak	C2	Native speaker.
English	B2	
German	A2	Learned during work at Accenture.
Spanish	A1	Learning in free time.

## | Tech stack



basic knowledge



intermediate knowledge with some project experience



extensive project experience



deepened expert knowledge



expert / specialist

	Level	Skill	Years	Comment
Language:		Java	4	<i>Testing, JavaFX and Android development.</i>
		C/C++	5	<i>Algorithms, networking, embedded systems.</i>
		Bash (Shell)	3	<i>Linux scripting, automation, testing.</i>
		HTML/CSS	3	
		JavaScript/TypeScript	2	
		Python	2	
		L <sup>A</sup> T <sub>E</sub> X/Markdown	2	<i>Writing documentation, bachelor thesis, CV.</i>
		C#	1	
		PHP	1	
		SQL	1	
FW/Tools:		Selenium	3	
		Cucumber	2	
		Postman	1	

## | Certificates

§ 22 Certification of professional competence for independent work on electrical devices up to 1000 V, in  
Electrician accordance with Slovak Regulation 508/2009.  
Certificate

## | Interests and hobbies

- ☐ embedded systems, iot
- ☐ linux server administration
- ☐ computer networking
- ☐ reverse engineering
- ☐ snowboarding/skiing
- ☐ hiking and working out
- ☐ chess