

Dimitar Banchev

🌐 <https://dbanchev.site>

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Work Experience

15.01.2025 – ongoing



Software Engineer at horaio GmbH

- Used low code platform written in C#, to create software solutions for low and mid-sized customers.

01.06.2024 – 30.09.2024



Bachelor Thesis (Static Analysis of Go code)

at Mercedes-Benz Tech Innovation GmbH and Ulm University of Applied Sciences

- Utilized data structures, used by compilers such as: ASTs, SSAs, CFGs
- Analyzed the detection gaps of an open-source software (**gosec**)
- Implemented a rule for the detection of hardcoded nonces in gosec

01.12.2023 – 31.05.2024



Internship

at Mercedes-Benz Tech Innovation GmbH and Ulm University of Applied Sciences

- Learned about the different types of vulnerabilities that can exist in applications and exploited them
- Developed backend applications(including REST APIs), in car applications, small CLI and Desktop applications (using the QT framework) in Golang

01.08.2022 – 15.09.2023



Working Student at Mercedes-Benz Tech Innovation GmbH

- Developed a vulnerable full-stack web application in Java using the Spring framework, for the purpose of security testing
- Developed many example applications, used for internal testing
- Contributed to FOSS project (**SecHub**)
- Deployed applications to local clusters using Kubernetes, and Docker

01.07.2019 – 1.09.2019



Internship - Computer Repair and Test Technician at Boiko Petrov

- Diagnosed systems of customers for software and hardware problems.
- Installed/Changed hardware, software, and operating systems of customers.

Education

20.09.2020 – 15.10.2024

■ Bachelor's Degree in Computer Science (in English)

at Ulm University of Applied Sciences

Distributed Web based systems, Pentesting, Software engineering, Web development, Algorithms and Data structures, OOP, Databases, Game Dev.

- Was part of a team that developed an Android application for a company.
- Completed multiple pentesting laboratory exercises
- Collaborated with a team to develop a game written in C++

2015 – 26.06.2020

■ System Programming at Vocational School

at M. V. Lomonosov, Bulgaria

C++, C#, Assembly, Computer Networks, OOP, Hardware Knowledge

Received a certificate of professional qualification, with a profession: System Programmer, specialty System Programming after graduation.

Participated in two **Erasmus** projects in Italy, each lasting 2 and 3 weeks.

Skills

P. Languages:	■ Go, Bash, Python, Java, C#, C++, Lua, SQL
OS:	■ Linux, Linux Server, Windows, Windows Server
Databases:	■ MariaDB, MySQL, SQLite, Supabase, MS SQL
Web-Dev:	■ HTML, CSS, JavaScript, TypeScript React, React Router, Caddy Web Server
Frameworks:	■ Gin, Spring Boot, ExpressJS, NextJS
Miscellaneous:	■ Git, Docker, Kubernetes + Local Clusters (k3s, Microk8s, Minikube, ...) Helm, Hugo, Code flow analysis, Knowledge in CWEs/OWASP, Android, OSI layers and computer networks, Wireshark, Media production, Server hosting
Languages:	■ Bulgarian: Mother tongue English: B2 German: A2

References

■ References from Mercedes-Benz Tech Innovation GmbH

Certifications

2024	■ The Frontend Developer Career Path at Scrimba https://dbanchev.site/redirect/scrimba
2019	■ NDG Linux Essentials & Unhatched courses at Cisco Networking Academy Unhatched: https://dbanchev.site/personal/certs/ndg-linux-unhatched.pdf Essentials: https://dbanchev.site/personal/certs/ndg-linux-essentials.pdf
	■ Learn Java & Command Line at Codecademy Java: https://dbanchev.site/redirect/codecademy-java Command Line: https://dbanchev.site/redirect/codecademy-cmd
2017	■ Programming Basics with C# at SoftUni https://softuni.bg/certificates/details/49982/cdo16d3b
	■ Application Programming and Embedded Systems Level 1 and 2 Worked on a task to create a smart flower pot. (Monitor humidity, automatically water plant, communicate sensor data through LoRaWAN).