

Philipp Walter



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Languages

Spanisch – B1
Englisch – C1
Deutsch – C2

"Master's student in cybersecurity with a academic foundation in network security, cryptography, and ethical hacking. Enthusiastic about exploring emerging threats, secure system design, and digital forensics. Highly motivated to deepen my expertise through a practical/research-driven master's thesis, applying theoretical knowledge to real-world security challenges."

Education

October 2022 – February 2026 TU Darmstadt

- Master of Science: **IT-Security**

September 2023 – February 2024 UPM Madrid

- Semester Abroad: **IT-Security**

October 2018 – August 2022 University of Applied Sciences (Heilbronn)

- Bachelor of Science: **Applied Computer Science**

Work experience

March 2024 –now Walter Dibbern GbR

- Self Employed (Custom Web Applications)

May 2023 – Feb 2024 Möbus Digital Solutions

- Working Student (Full Stack Developer)

July 2022 – October 2022 Kitchn.io

- Working Student

July 2021 – August 2022 Freelancer

- Notion Services

October 2021 – Februar 2022 Deutsche Telekom Technik GmbH

- Bachelor Thesis in Monitoring & Dataanalytics

March 2021 – August 2021 Deutsche Telekom Technik GmbH

- Working Student in Monitoring & Dataanalytics

October 2020 – March 2021 Deutsche Telekom Technik GmbH

- Practical semester in Monitoring & Dataanalytics

October 2019 – June 2020 Bosch GmbH

- Working Student

June 2018 – July 2018 Deutsche Telekom Technik GmbH

- Internship

Expertise

Programming languages

- Go
- Python
- Java/Kotlin
- JavaScript/HTML/CSS
- Dart (basics)
- Ruby
- C, C++, C# (basics)

Hobbys

- Table Tennis (Verbandsoberrliga)
- Padel
- Racketlon
- Darts
- Roundnet (Spikeball)
- Cooking

Projects

Academic Project

Period: October 2024 – February 2025
Technologies: Langchain, OpenAI, React

Hacker-Contest

Period: April 2024 – July 2024
Technologies: Kali Linux, CTF (usd AG Platform)

Website (Personal Blog)

Period: June 2022 - now
Technologies: Next.js (13), Tailwind CSS, Sanity
API's: Spotify, Instagram

Bachelor-Thesis

Kubernetes Cluster für Monitoring & Dataanalytics Plattform

Period: October 2021 – February 2022
Company: Deutsche Telekom Technik GmbH
Technologies: Victoria Metrics Cluster, Alerta, Prometheus, Grafana
Methods: Scrum

Snake-Game in AWS

Cloud Computing (Note 1.0)

- Go Backend (containerized with Docker)
- Svelte Frontend
- Terraform Automation

Vineyard automation (weather station)

- Sensor station for measuring data and transmission with LoraWAN
- Frontend Interface in Vue.js

Portal for students for learning material communication between students and professors

Lab for Software Projects and Project Skills (Grade 1.0)

- Containerized (Docker)
- Front/-Backend (React.js and Kotlin)

Android Development (Lab 3. Semester)

- Game based on Agar.io with Powerups
- Maps-App where you can see your friends within a range