

ASHLEY FLETCHER

Software Developer

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WORK EXPERIENCE

Internship Full Stack Developer

Schwarz IT

02/2025 - 08/2025 Heilbronn, Germany

- Developed **full-stack** features using **Vue.js** (TypeScript) and **Ktor** (Kotlin) for an internal platform supporting teams across the Schwarz Group (e.g., Lidl).
- Designed and consumed **OpenAPI**-compliant **REST APIs**, ensuring consistency and enabling frontend/backend integration through generated client SDKs.
- Contributed to a collaborative, **CI/CD**-driven development workflow, including **peer-reviewed** pull requests and containerized deployments.

EDUCATION

Software Engineering Program

42 Heilbronn

10/2023 - Present 42 Heilbronn, Germany

- Completed project-based Core Curriculum (C, C++, algorithms, **web**, system admin). Now in Mastery phase focusing on **advanced** projects and **specialization**.

BTEC Level 3 Business

Lewes College

09/2011 - 07/2013 UK

- Building projects and developing business strategies. Focused on market structures and **core business principles**.

FURTHER WORK EXPERIENCE

Logistics Worker & Project Assistant

07/2013 - 10/2023

Agricultural Worker — NZ, AUS

10/2016 - 02/2019

Freelance Videographer & Editor

02/2021 - 06/2022

SELECTED PROJECTS

Social App (Java, Spring Boot, React Native, ongoing)

Full-stack social app designed to connect people through verified activities.

- Developed **Java/Spring Boot** backend with PostgreSQL, **Flyway**.
- Implemented **JWT authentication**; planned microservices refactor.
- Designed QR-code event/user registration.
- Built **React Native** frontend via OpenAPI SDKs.

Web Server (C++, 42 Heilbronn, 08/2024)

Implemented an HTTP server with multiplexed connections.

- Supported **GET/POST** requests and concurrent handling using `kqueue()`.
- Designed lightweight **architecture** similar to `select()` for efficient request handling.
- Practiced socket programming, **concurrency**, and I/O operations.

Transcendence (Python, JavaScript, 42 Heilbronn, 12/2024)

Full-stack multiplayer Pong game built with Django and JavaScript.

- Developed REST API with JWT authentication and **WebSocket** support.
- Built interactive JavaScript frontend integrated with **Dockerized** backend services.

SUMMARY

- Software developer with a solid foundation in **C/C++** and **Kotlin**, and growing expertise in **TypeScript** and **Java**.
- Experienced in building **full-stack applications** with **Vue.js**, **Ktor** and **Spring Boot** across internship, academic, and personal projects.
- Skilled in designing **scalable architectures** and applying **SOLID principles** in an **Agile** environment.
- Focused on delivering **full-stack** solutions that combine frontend **responsiveness** with backend reliability, with practical experience in **CI/CD**-driven development.

LANGUAGES

English	Native
German	Conversational

SKILLS

C/C++	Java	Kotlin	TypeScript
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FRAMEWORKS & TOOLS

Vue.js	REST API	OpenAPI	Git
Docker	CI/CD	PostgreSQL	Ktor
Spring Boot	Flyway	React Native	

HACKATHONS

UI/UX Design Heilbronn (Schwarz IT)

ETH Brussels Hackathon

Future City Hackathon Heilbronn

KEY ACHIEVEMENTS

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Completed a rigorous 4-week selection program in C programming, algorithms, and peer-based collaboration.

REFERENCES

Ivo Raykov – Engineering Lead, Schwarz IT

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