LAYTON BERTH

Ostend, BE • laytonbrth@gmail.com • +32 468 32 18 19 • linkedin.com/in/laytonberth • https://github.com/Berthje

EDUCATION

HOWEST UNIVERSITY OF APPLIED SCIENCES   Bruges, BE
Bachelor of Applied Science in Applied Computer Science; Major in Software Engineering   **2022-2025**
- Relevant Courses: Research Project, Database Systems, Object-oriented Programming, Web Development, Operating Systems, UI/UX Design, Probability and Statistic, Data Analysis and Visualization

MIDDLE SCHOOL SINT-JOZEF SINT-PIETER   Blankenberge, BE
Middle School Diploma, Accounting and Computer Science - Magna Cum Laude   **2016-2022**
- Relevant Courses: App Development, Database Systems, Object-oriented Programming, Web Development, UI/UX Design, Data Analysis

PROFESSIONAL EXPERIENCE

CERN   Genève, CH
Full Stack Software Engineer - Internship   **February 2025 - Current**
- **Developed features** on top of a legacy Java codebase for financial business processes.

React.js, Java, Spring Boot, JavaScript, HTML5, CSS3, Git

MR PACKAGE   Ostend, BE
Software Engineer / Designer - Internship   **Aug 2023 - Sep 2023 & Jul 2024 - Nov 2024**
- **Developed a Logistics and Product Information Management (PIM) system** using Laravel to automate and sync inventories across multiple webshops, with integrated GraphQL and REST APIs for seamless data management.
- **Automated product updates and streamlined bulk operations,** reducing manual workload for over 200,000 products.
- **Configured and developed a web app** for managing warehouse operations using Zebra TC22 handheld scanners.
- **Built a web scraper (with legal consent)** to extract product data from external sources lacking APIs.
- **Led branding initiatives**, including logo design and name research, and created advertisement graphics for marketing campaigns.

Shopify (Liquid) / Laravel (PHP) / Python / Git / Scrum / XML / HTML5 / CSS3 / Figma (Design)

PROJECTS (SEE MORE ON MY GITHUB)

EnviroSense - A smart environmental monitoring system
- Developed a full-stack IoT system to monitor air quality, detect fire hazards, and automate smart devices. Designed the Flutter-based mobile app for real-time data visualization and control. Built the backend using Deno with clean architecture principles and implemented MQTT messaging for real-time device communication.

Flutter / Deno (TypeScript) / PostgreSQL / Firebase / ESP32 (C++) / MQTT Protocol / Grafana / Figma (Design)

M-JOY - A modern, responsive website for a local bistro
- Designed and developed a mobile-optimized website, incorporating the client's branding and vision.

Next.js (React - JavaScript) / TailwindCSS / HTML5 / CSS3 / Figma (Design)

Trendloom - A Zalando-style webshop offering clothing for women, men, and children
- Designed and implemented Trendloom's full-stack architecture, developing the front-end with Vue.js and the back-end API with Laravel. Managed all stages of the project, from initial design to the implementation of seamless product ordering functionalities.

Vue.js (Javascript) / Laravel (PHP) / JWT / SQL / HTML5 / CSS3 / Figma (Design)

SKILLS

Languages: HTML, CSS, Javascript , SQL, Laravel (PHP), Java, Python, C# .NET, Kotlin, Dart
Technologies: Vue.js, Next.js, Deno, React, Express.js, Flutter, Tailwind CSS, SCSS, REST Services, MySQL, MongoDB, GraphQL, Spring, JavaFX, Android SDK
Tools: Git, Gitlab, Github, Visual Studio Code, Android Studio, Grafana, All products of Jetbrains, Figma

CERTIFICATIONS

BIP - Trends in Research and Innovation in the Context of Computer Science (3ECTS) by FH St. Pölten - University of Applied Sciences, **Cast Studies Challenge - IP3 Project Based Learning (5ECTS)** by University of Economics in Katowice, **(Winner of) SAP - Building The Born Global Firm Challenge** by Vorarlberg University of Applied Sciences