

LAYTON BERTH

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PROFESSIONAL EXPERIENCE

LIBARO

Full Stack Software Engineer

Bruges, BE

February 2026 – Present

- Shipped a **visual flow builder** inside a **SaaS EMS platform**, letting clients configure their own device automations (conditional battery charging, incident alarms) and **removing bespoke development requests** from the team backlog.
- Delivered end to end client projects across **IoT, EMS, and POS domains**, owning architecture, implementation, and deployment.

PHP / Laravel / Vue.js / Inertia.js / TailwindCSS / TypeScript / Grafana / Figma

CERN

Full Stack Software Engineer

Geneva, CH

February 2025 – February 2026

- Refactored **3 mission critical internal platforms** (PANDA, ReOrg, APT) serving **~3,000 CERN employees**, eliminating **15+ years of technical debt** and delivering **3x performance improvements**.
- Built complex business logic for **PANDA**, the pension and payroll system used by CERN accountants and HR, covering employee data, salary slips, and benefit payouts.
- Contributed to **ReOrg**, the platform that executed **CERN's 2026 organizational restructuring** and now runs every future 4 year reorganization cycle.
- Modernized **APT**, a project planning tool managing CERN budget codes and mission planning across departments.

Java / Spring Boot / Groovy / React / TypeScript / Figma

MR PACKAGE

Full Stack Software Engineer

Ostend, BE

August 2023 – November 2024

- Built custom **Shopify integrated webshops** and an automated deployer to **spin up sector specific storefronts** from a shared warehouse inventory.
- Developed **LED guided warehouse pick software** for Zebra TC22 scanners, replacing manual aisle searches and significantly improving daily fulfillment throughput.

Laravel / PHP / Python / Shopify (Liquid) / Figma

PROJECTS

WageWatchers • European salary transparency platform • wagewatchers.com

- Built and launched a live, community driven salary transparency platform with **1,800+ anonymous submissions across Belgium**.

Next.js / TypeScript / PostgreSQL / Drizzle ORM / Recharts / Docker

More work at github.com/Berthje

SKILLS

Languages: TypeScript, JavaScript, PHP, Java, Python, SQL

Frameworks: Laravel, Vue.js, Inertia.js, Next.js, React, Spring Boot, Flutter, Tailwind CSS

Data: PostgreSQL, MySQL, MongoDB, GraphQL, Drizzle ORM

Tools & Infrastructure: Docker, Git, Grafana, MQTT, Deno, Figma, JetBrains IDEs

Spoken: Dutch (native), English (fluent)

EDUCATION

HOWEST UNIVERSITY OF APPLIED SCIENCES

Bachelor of Applied Science in Applied Computer Science, Software Engineering

Bruges, BE

2022 – 2025

Certifications & Awards

- **Winner**, SAP Building the Born Global Firm Challenge • Vorarlberg University of Applied Sciences
- BIP Trends in Research and Innovation in Computer Science • FH St. Pölten
- Case Studies Challenge, IP3 Project Based Learning • University of Economics in Katowice