

Xavier Bérault

Fullstack software engineer

.NET / React

Paris, France

xavier.berault@gmail.com

xavier-berault

xberault.com

VIE eligible — open to international mobility

Skills

Languages

C#, TypeScript, JavaScript, SQL, Python, PHP, C++

Frontend

React, Next.js, React Native, Expo, HTML/CSS

Backend

.NET 8, ASP.NET Web API, Entity Framework, Laravel, REST APIs, RabbitMQ

Data & systems

SQL Server, MySQL, Cosmos DB, Windows Server, Docker

Tools

Git, Jira, Confluence, Postman, Visual Studio, Rider

Practices

Code review, unit testing, documentation, production support

Education

Engineering degree, computer science

UTT — Université de Technologie de Troyes

2021 – 2024

Troyes

Specialization: AI, software optimization and complex data analysis.

Exchange semester (taught in English)

University of West Bohemia

2023

Czech Republic

DUT in computer science

Université d'Orléans

2019 – 2021

Orléans

Languages

French — native

English — full professional proficiency (C1)

Profile

Software engineer (.NET 8, React, Next.js) looking for an international VIE assignment. I build and run business applications in production: APIs, back offices and integrations. I also work on system administration, production support and security.

Experience

Fullstack software engineer

Enéance

Feb. 2024 – present

Paris, France

Fullstack development and production maintenance of business applications in retail, luxury and healthcare.

Retail & circular economy — Ecosystem / jedonnemonelectromenager.fr

- Built the JDME platform: public website, back office and .NET 8 API for appliance donation and collection workflows (around 7K collection requests/month per partner provider).
- Built collection workflows, customer email flows, provider-specific rules and asynchronous messaging with RabbitMQ.
- Handled post-launch work: requirements, technical design, estimates, rollout, production fixes and coordination with clients and providers.

Luxury retail — Christian Dior Couture

- Developed international internal applications for store master data, employee sales and mobile/social use cases, deployed worldwide with per-country clustering.
- Delivered React, React Native and backend features: mobile upgrades, native modules, API refactoring, security remediation and bug fixing.
- Built tools handling store-expansion data, lease information, work budgeting and employee-facing sales workflows.

Healthcare — Unilabs

- Developed and maintained a patient appointment and billing application in a healthcare production context.
- Built Laravel features, secured SFTP exchanges, generated HPRIM files and improved reliability around billing jobs.
- Hardened infrastructure security with Docker, firewall configuration and WAF rules using ModSecurity.

Internal tooling — Biebog

- Built Enéance's internal framework for generating API and front-end code for business back offices.
- Improved reusable CRUD components, validation, permissions, filters, server-side pagination, API conventions and error handling, which cut the boilerplate needed to create new business modules.

Software & systems engineer · Internship

Version Net

Jul. 2022 – Feb. 2023 (8 months)

Paris, France

- Administered internal systems and production environments: Windows servers, firewalls, monitoring, troubleshooting and user support.
- Built integrations and internal tools using Java, PHP, Python and Microsoft SQL Server.
- Set up and secured production services; wrote functional and technical specifications for system and application changes.

Software development intern

Agonium Scale

May 2021 – Jul. 2021

Gif-sur-Yvette, France

- Built Python-based code generation and C/C++ backends for NSIMD, an open-source SIMD/vectorization library used to write portable high-performance code across multiple CPU instruction sets.

Publication

RGB to wavelength conversion

ICCSA 2023

Co-authored a paper on extracting wavelength information from RGB values while accounting for saturation variations.