Bastian Noel

Full-stack web developer student

I design, build and deploy my web projects myself. One of them, a browser extension, has about 10,000 users.



EDUCATION

Bachelor's in Multimedia and Internet (BUT MMI), IUT de Vélizy (Paris-Saclay) — 2025 – 2028

- **Top of my year**, class representative and student tutor.
- Web development, databases, user experience.

First year of the integrated engineering preparatory cycle, Compiègne University of Technology (UTC) — 2024 – 2025

- **Upper-level** computer science courses taken from the first year: algorithms and complexity, databases, data structures in C.
- Mathematics and physics.

French baccalaureate, highest honours, High school in Vernon — 2024

- Specialities in **computer science**, mathematics and physics.

PROJECTS

Custom Directe — Since 2022

`JavaScript · HTML · CSS · Extension Chromium · Vite`

- Created and maintained since 2022 a browser extension used by about 10,000 people.
- Designed an object-oriented, modular JavaScript architecture with no dependencies.

ALWIS — Since 2026

`JavaScript · PHP · MariaDB · WebAssembly · Docker · GitHub Actions`

- Runs PHP 8.4 and MariaDB in the browser by compiling them to WebAssembly.
- Set up seven CI pipelines, including rebuilding the engine from source.

AE2V platform — Since 2026

`React · Next.js · TypeScript · Fastify · PostgreSQL · Prisma`

- Designed and built the bingo app for a welcome party, with anti-cheating and offline mode.
- Wrote an OIDC single sign-on service for the association's tools, tested end to end.

S3aled — Since 2026

`TypeScript · Fastify · React · PostgreSQL · S3 / R2 · Docker`

- Designed a transfer service where files go from the browser to S3 storage without passing through the server.
- Encrypted files in the browser and covered the code with automated tests.

DepthVistaXR — 2026

`Python · PyTorch · OpenXR · OpenGL`

- Assembled depth-estimation models to turn a screen into a stereoscopic image in real time.

EXPERIENCE

Composya, web development — 2021 – 2025

- Built, hosted and maintained the company's **first website**, on WordPress.
- Coded the team's **HTML email signature**.
- **Called back** for new assignments **over four years**.

CONTACT

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Vélizy-Villacoublay and Vernon, France

Driving licence

SKILLS

Languages
JavaScript, TypeScript, PHP, SQL, Python, Swift, C

Web
React and Next.js, Node.js and Fastify, WebAssembly, Browser extensions, Offline apps

Data
PostgreSQL, MySQL and MariaDB, S3 and R2 storage

Systems and deployment
Docker, Continuous integration, OIDC authentication, Linux and reverse proxy

INVOLVEMENT

- Member of the **IUT de Vélizy student union**, for which I built the online tools and the identity.
- Regularly help **beginners** with their web projects.
- **Reported to the CNIL** (French data protection authority) a flaw exposing personal data on a national school platform.

LANGUAGES

- French, native language
- English, B2 to C1 level, five language stays with English-speaking families

INTERESTS

Viet Vo Dao, Hiking, Cooking, Open source and self-hosting.