Florian BARDIN

COMPUTER SCIENCE STUDENT

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florianbardin.dev | github.com/FlorianBardin | Driver's License (B) - Vehicle Owner

Profile

Admitted to the engineering program at IMT Atlantique (CS, Networks, and Telecommunications), I am seeking a 3-year apprenticeship as a DevOps and Cloud Engineer or within Embedded Systems for the New Space industry. I am passionate about automation, resilient infrastructures, and the challenges of modern aerospace. My goal is to apply my technical rigor and interpersonal skills to large-scale projects, with a strong focus on technological sovereignty, data control, and security.

Key Skills & Interests

Soft Skills: Ambitious, Persevering, Diligent, Collaborative
Languages: French (Native), English (Intermediate B2), Spanish (Basics A2)
Interests: Travel, Music, Hiking, New Space

Technical Skills

Programming Languages: Python, C++, Golang, TypeScript / JavaScript, Java
Web Architecture & Quality: React.js, Next.js (Basics), Node.js, PHP / Symfony / API Platform, Spring Boot (Basics)
Infrastructure & DevOps: Linux, Docker, Kubernetes (Basics), Git (GitLab/GitHub), CI/CD (GitHub Actions - Basics)
Databases: SQL, PL/SQL, RDBMS (Oracle, MySQL, Postgres), NoSQL (MongoDB)
Project Management & Theory: Scrum & Kanban Methods, Modeling (UML, Merise)

Education

IMT Atlantique — France
Engineering Degree in Computer Science, Networks and Telecommunications — *2026 – 2029*

IUT Reims-Chalons-Charleville — Reims, France
University Diploma in Technology (BUT) in Computer Science — *2024 – 2026*
- Specialization: Application Development (C++)

Lycée Polyvalent Stéphane Hessel — Épernay, France
High School Diploma (Baccalauréat) with Highest Honors — *2024*
- Specialization: Mathematics and Computer Science; Engineering Sciences

Work Experience

Alphamosa — France
Back-end Developer Intern — *April – June 2026*
- **Technical Migration**: Restructured legacy code and updated internal tools.
- **Software Engineering**: Developed features and wrote technical documentation.

Champagne Bollinger — Aÿ-Champagne, France
Cellar Hand — *July – Aug. 2025*
- **Rigor**: Strictly followed cleaning and preparation methods and protocols.
- **Teamwork**: Coordinated with various teams to successfully complete missions.

Projects

Foehn - PaaS | *Go, Docker, Caddy*
- **Sovereign Cloud**: Created a self-hostable Platform as a Service (PaaS) to automate project deployment from a Git repository.
- **Orchestration**: Developed a Go daemon, managed traffic via reverse-proxy, and currently developing the CLI.

HomeKube - Infrastructure and monitoring | *Kubernetes*
- **Self-hosting**: Deployed and administered a Kubernetes cluster on physical servers (Bare-metal).
- **Observability**: Implemented a monitoring stack with Prometheus and Grafana.

Dockaffeine - Automation and resilience | *Go*

- **Self-healing**: Developed a monitoring and automatic restart tool for Docker containers.
- **Concurrency**: Optimized performance by utilizing Goroutines.

florianbardin.dev - Portfolio and showcase | *Next.js*
- **Fullstack**: Developed an optimized website with multilingual support (i18n) to showcase my work.

APOD Viewer - Space Explorer | *JavaScript, React.js*
- **Frontend Development**: Developed a responsive web application to explore NASA's "Astronomy Picture of the Day" using the NASA APOD API.
- **Interactivity**: Implemented an interactive calendar using react-day-picker to allow users to browse historical data back to 1995.
- **Optimization**: Optimized performance and API efficiency by implementing a custom debounce hook to handle rapid user input.

Vitis API - RESTful API | *Java, Spring Boot*
- **Architecture**: Developed a high-performance RESTful API using Spring Boot 3 and Java 21, implementing a clean service-oriented architecture for managing wine and winery data.
- **Reliability**: Established comprehensive Global Exception Handling to provide standardized API error responses and implemented strict data validation using DTO patterns and MapStruct.