Guillaume NICOLAS
Senior full-stack web developer

📍 Nantes, FRANCE and remotely available

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With **10 years** of professional experience as a software developer, I have worked on a wide range of projects, from startups to large international companies.

I am passionate about building scalable, performant, and maintainable web applications, with a strong focus on UX, DX, automation, and clean architecture.

I enjoy solving complex problems, mentoring others, and turning business needs into reliable technical solutions.

💻 My experiences

AB Tasty (world-wide company) 🇫🇷 🇬🇧 👥 5+ people
Senior full-stack web developer
today - dec 23'

- **Maintainer** of core Javascript scripts injected into **1000+ AB Tasty customer's website**, supporting experimentation, personnalisation, recommendation and insights. As a core component for company, I constantly dealt with **performance, efficiency, stability, and maintainability.**

- Led the end-to-end implementation of a **custom domain** feature, including domain validation, secure script serving, and full frontend (**React**), backend (**Symfony**), and infrastructure (**AWS, Terraform**) integration.

- Remove **string evaluation** of customer's custom code from AB Tasty js script to avoid **CSP** policy on customer's website and improve **security**. Transform each custom code as a **valid js code** included in files served by CDN. It required update in **many components** from js script file **build**, **upload** and **serve**.

- Re-engineered an external **AI product** to integrate it into our internal codebase, improving efficiency, maintainability, and UX, while aligning with our architecture and API contracts.

- Contribute (7 PRs) to OSS *patrickhulce/third-party-web* project to **fix and update data** of third party products impacts on websites (based on HTTP Archive and Lighthouse reports). I've also **rewritten algorithm** to get more accurate data for some specific cases.

- Create a **semantic-release plugin** automating product **changelog generation with AI** (OpenAI) and improving release transparency for customers while reducing manual release effort. Context was based on technical changelog and Jira API. Iterate on **prompt**, bundle project then integrate in some of our products Gitlab pipelines. Serve changelog to customers on **SSG website**.

Talend (world-wide company) 🇫🇷 🇬🇧 👥 10+ people
Senior frontend web developer
nov 23' - feb 22'

- **Lead** front-end development of a **React** web application, used by non-technical customers to clean their data and improve quality.

- Setup **E2E** test framework called **Cypress** to reduce QA team pressure during release and make regression detection more efficient.

- **Migrate** legacy codebase written in **Angular V1** to **React v18** to simplify developer experience, unify toolings and reduce costs.

- **Contribute** to internal **design-system** and **tooling** projects by fixing bugs, adding features and improve code quality.

- Reduced release cycle time by **automating CI/CD** steps (**GitHub Actions**), improving deployment reliability and availability.

- Actively **participate** in **UX/UI** workshops with designers to push **feedbacks**, analyse technical compatibility issues and balance between complexity and user value.

- **Develop** and **deploy** a full-stack feature with **Springboot** backend to ramp-up. Define endpoint interface, get **mongodb** resources and handle result in web-app.

🎨 My Skills

Frontend
React - Typescript - Next.js - Webpack - Vite
RTK - ReactQuery
Storybook

Backend
Node.js - NestJS
PostgresSQL - Mongodb
AWS Lambda - DynamoDB
PHP - Python

Testing
Playwright - Cypress
RTL - Vitest - Jest

DevOps / Tooling
Gitlab CI - Github Actions
Terraform
AWS

🎓 My Education

2016 - 2013
Software engineering and digital data management degree
Polytech Nantes (FRANCE)

2016 - 2015
Innovative product design University Degree
University of Nantes (FRANCE)

2013 - 2011
IT Technical University degree
IUT Vannes (FRANCE)

2011 - 2008
Engineering science Hight school degree
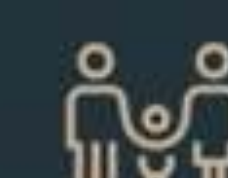Jeanne d'Arc Pontivy (FRANCE)

♡ My Interests

🏍 **motocycle**   🏸 **badminton**
🏃 **running**   🧱 **Lego**
👪 **parenting** (father of 2)

Spacelephant (Web3 Startup)   🇫🇷 🇬🇧 👥 7+ people
Full-stack web developer and co-founder

- **Designed** and **developed** a Vue.js **PWA** used by beta testers to manage decentralized identities (**DiD**), with a strong focus on UX, performance, and analytics.
- **Configure, customize** and **deploy** a DPoS **blockchain** based on **NodeJS** with **Typescript CLI** client.
- **Configure, customize** and **deploy** an open-source authentication server built with **Springboot** and **Java11.** Edit flow to integrate DiD as authentication solution.
- **Develop** and **deploy** web-services with **NestJS** to centralise authentication features, interact with **decentralized** services
- Setup **Terraform** to manage DNS records, services deployments or uptime monitoring. Automate packaging, testing and deployments with **Github Actions.**

La Poste Groupe (French postal service group)   🇫🇷 👥 4 people
Software developer in lab team

- Contributed to a **Spring Boot** web service used internally to analyze and verify identity documents, improving reliability and fixing image-processing (**C++**) and API issues.
- Maintenance of an equivalent service embedded in an **Android** app
- Port service to an IoT equivalent with **Android Things** and **RaspberryPi**

SQLI Nantes (IT service company)   🇫🇷 👥 4 people
Lead blockchain developer

- Explore **blockchain** technology with Ethereum smart-contracts and introduce topic to employees, clients and public conferences.
- **Develop** a PoC of poll through Ethereum smart-contract with **React** web-app GUI
- **Develop** a PoC of rent smart-contract with Ethereum node embedded in **RaspberryPi** and **Android** mobile. Develop open-source library to start and interact with a node embedded in Android device