

# Sébastien Nobour

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## Full-Stack Engineer

Extensive experience designing, developing, and maintaining scalable and secure applications. Drove innovation through the adoption of advanced technologies and best practices. Contributed toward the exploration and prototyping of innovative solutions while championing engineering best practices and setting technical direction. Resolved technical debt and improved code quality while staying abreast of emerging technologies to enhance software offerings. **Skilled in database architecture, cloud integration, and test-driven development, with a strong focus on automation and CI/CD to accelerate delivery timelines.**

### CORE SKILLS

Software Development Lifecycle • New Features Creation • Technical Documentation • Advanced Technology Utilization • CI/CD Pipelines • Front/Back-end Engineering • Code Review • Quality Code Release • Workflow Optimization • System Performance Enhancement • Team Leadership & Development • UI Components • API Development • Microservices Architecture • Debugging & Troubleshooting • Legacy System Modernization • Database Management • Stakeholder Engagement • Budget Forecasting

### PROFESSIONAL EXPERIENCE

**Full-stack & Lead Developer** • Groupe Rapido ([weekandgo.com](http://weekandgo.com)) • MAYENNE, FR (REMOTE) Oct 2021 – Present

Created responsive user interface components using JSX in Next.js 11+/MUI, optimized data models in Strapi CMS for scalability, and developed RESTful endpoints with PHP 7 and API Platform for streamlined backend processes. Generated technical documentation, using Markdown, Storybook, and JSDoc which streamlined development processes.

#### Technology Leadership:

- Advised on technology selection, guided developers in enhancing their skills, established efficient workflows, and automated repetitive technical tasks to drive productivity.

#### DevOps Tasks:

- Simplified DevOps tasks by automating regression tests and deployments across different environments using Docker.

#### Testing:

- Led the development and execution of comprehensive testing strategies to ensure application performance and quality:
  - Designed and implemented unit tests using Jest to validate core functionality
  - Integrated rendering tests with Testing Library and Storybook for UI consistency
  - Conducted high-accuracy visual tests with Chromatic to maintain design integrity
  - Executed isolated application tests with Playwright to verify functionality independent of the backend

#### On-Time Project Delivery:

- Reduced project delays and saved client's budget by providing leadership to an underperforming team, decoupling dependent features, and streamlining processes for efficient software delivery.

#### Enabled Client in Generating Revenue:

- Delivered the project on time by postponing non-critical features, focusing on development, and removing blockers:
  - **Enabled the client to generate €50K in annual revenue consistently from 2022 to 2024**

**Full-stack Developer** • ANCT • PARIS, FRANCE (REMOTE)

#### Administration Console:

Mar 2024 – Oct 2024

Engineered a secure Admin Console app providing digital services, like domain management, email, and storage for French localities. Developed front-end features on schedule while creating automated tests to prevent regressions and avoid unnecessary testing. Set up unit, rendering, and end-to-end tests with Vitest, Testing Library, and Playwright to improve code reliability and testing speed. Collaborated with developers and held weekly meetings with the product owner to define feature completion criteria.

- Internationalized app and made it globally accessible with the installation of multi-language support in English/French.
- Launched the application's first beta version and enabled the team to refine features based on real-user feedback.
- Designed and implemented high-performing, responsive components and pages using React.js, Next.js, and TSX, enhancing user experience and improving load times through optimized code.
- Facilitated uninterrupted data transfer in JSON format by creating RESTful/TRPC APIs, using TypeScript and Node.js.

**Software Developer** • Vodafone Ziggo • MAASTRICHT, NL

Sep 2023 – Mar 2024

Built REST API endpoints in Java 18 and Spring Boot to automate and manage virtual network resources within a Network-as-a-Service (NaaS) framework. Compiled and maintained easy-to-follow documentation on Confluence to help the team work better together and speed up onboarding for new members, fueling project delivery.

- Achieved faster deployment, reduced costs, and improved scalability by leading the no-code development of virtual network infrastructure (Network as a Service) on the Amdocs Neo platform for enterprise clients.
- Supported network resource creation and ensured data accuracy by creating data transfer models in JSON format in compliance with the TMF 648 specification.
- Mastered Java, Spring, and Amdocs Neo Platform, gaining full operational competence in 3 months for project success.

**Full-stack Developer** • Product Feedback • MARSEILLE, FR (REMOTE)

Mar 2021

Developed GraphQL endpoints using Nest.js, TypeScript, Node.js, and Apollo GraphQL for better data retrieval performance and enable integration for front-end apps. Created a responsive Single Page Application (SPA) using GraphQL queries and mutations.

- Delivered intuitive user experiences by developing reusable UI components in JSX using React.js and styled-components, leveraging TypeScript for scalable code

**Full-Stack Developer** • SAFCO • NIJMEGEN, NL (REMOTE)

Sep 2020 – Jan 2021

Analyzed the application's functionality and purpose before initiating the migration to ensure a smooth transition. Elevated the application performance by improving code, reducing bugs, and conducting unit/integration tests, using Q/PHP Unit.

- Successfully migrated 6-year-old legacy full-stack frameworks by upgrading Symfony from v2 to v4 and Ember.js from v2 to v3, keeping the application running smoothly during the transitions

**Full-Stack Developer** • Valeo • LA VERRIÈRE, FR (HYBRID)

Aug 2019 – Sep 2020

### Licence Monitoring Project:

Led the Licence Monitoring initiative to support the global software license team in tracking and managing license usage across the division. Migrated legacy application to Symfony, adopting Model-View-Controller (MVC) architecture and Object-Oriented Programming (OOP) principles to improve system performance and maintainability.

- Monitored software license usage, identified impending reach, and advised engineering teams on optimizing resource management rather than requesting additional licenses:
  - Managed software license renewals by creating a sorted list based on expiration dates and triggering timely email alerts for upcoming renewals
  - Improved a 15-year-old project by enhancing its stability and maintainability, preventing the need for a complete rebuild and saving approximately 6 months of development time for future teams
  - Designed innovative features, including interactive charts using JavaScript, Bootstrap 4, ChartJS, and AJAX requests which improved user engagement and data visualization on the platform
- Maintained and optimized PHP scripts to support scheduled tasks, enabling smooth polling of 500 servers worldwide:
  - Defined database models for resource persistence, performed manual update deployments, and gradually automated processes through DevOps practices for reduced errors

## EDUCATION

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**Bachelor (EQF\* Level 6) Application Developer** | My Digital School (2020)

**Home Automation Technician Diploma** | IFA R. Delorozoy

## TRAINING

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**Training:** Continuous Delivery **from Dave Farley & Jez Humble, renowned agile pioneers in the software industry**

Entrepreneurship & Marketing | E-commerce & Affiliate Marketing | Web Developer & Integrator

## PROJECTS

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**Tortuga (Tortuga.ovh):** social media for Mountain activities SaaS | **Home IoT Remote Led Controller** | **E-commerce Web App**

**CRM Application** | **Todo-list & Classrooms Management Application** | **Auctions Application**

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript • Typescript • PHP (5-8) • SQL • HTML5 • CSS3 • XML • SASS • Java

**Architecture & Concepts:** MVC • FLUX • OOP • SOLID REST • RPC • GraphQL APIs • SPA (Server-Side Rendering & Client-Side Rendering, Static Export) • Jamstack Web worker • Microservices • Serverless • Infrastructure as Code • ORM/ODM • TDD BDD • Testing (unit, integration, component, visual, application, system, performances) • HTTP • MQTT

**JS libraries & Frameworks:** Next.js (12 - 14) • React.js (16 - 19) • React Native (0.77) • Expo (0.52) • Redux • Jotai • Zustand • TanStack Query • React Apollo • Ember.js (3 - 4) • jQuery • Lodash • React Hook Form • Formik • Joi • Zod • Luxon • Svgo • react-form | **PHP Frameworks:** Symfony (4,5) • API-Platform | **Node.js Frameworks:** Nest.js • Express.js • Adonis.js • SocketIO • Electron.js | **Java Framework:** Spring Boot | **CSS frameworks:** Bootstrap [4,5] • Tailwind CSS [2,3] • Shaden • Next UI • Park UI • PandaCSS • Bulma CSS • Material UI/MUI • AntDesign • Post CSS • Emotion • Styled Components | **OS:** Linux (Ubuntu Debian, Raspbian) • Mac OS • Windows | **Analytics & Monitoring:** Pm2 services • Axiom • Grafana | **Module Bundlers:** Webpack • SWC Babel | **Quality, Tests, & Tooling:** ESLint • Vitest • Prettier • Stylelint • Jest • Mocha • Chai HTTP • QUnit • Coverall • PHP Unit • Cypress • BrowserStack • Playwright • Testing-library • Cucumber • Gherkin • Husky • Junit | **Visual Design:** Figma • Adobe XD

**Databases:** SQL (Postgre, Oracle, MySQL) • NoSQL(MongoDB) • Doctrine ORM • TypeORM • Mikro-ORM • Prisma • Supabase

**DevOps:** Gitlab CI • GitHub Actions • Travis CI • AWS Code Pipeline | **Versioning:** Git • GitHub • Gitlab • Bitbucket

**Product Management:** Lean Manufacturing • GitHub Projects • 12 Principles from Agile Manifesto | **Orchestration**

**&Virtualization:** Docker and Docker Compose • Serverless Framework • Vagrant • Kubernetes

**Marketing Analytics:** Azeptio (Cookie Consent) • SEO • Google Analytics • Post Hog • Plausible • GDPR

**Documentation:** Markdown • JSDoc • Chromatic • Storybook • Jira • Confluence | **Cloud:** Amazon Web Services (Lambda, ECS, ECR, EC2, S3, EFS, Amplify, Route53, LightSail, IAM, SNS, SES, SQS, API Gateway, Dynamo DB, CloudWatch, Secret Manager, IAM, S3, DynamoDB, Bitbucket, CloudFormation, API Gateway, Event Bridge) | **CMS:** Shopify • WordPress/Bedrock •

WooCommerce • Strapi CMS • Sanity