Pierre NICOLAS

Lead Full Stack Developer / JavaScript Tech Lead

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Profile

Lead Full Stack Developer with over 7 years of experience designing, scaling and securing complex, business-critical web applications. Strong expertise in modern JavaScript architectures (React, Node.js, TypeScript), large-scale codebase structuring and automation of critical business processes.

Used to working on high-traffic production products, combining strong technical vision, high quality standards and the ability to evolve both teams and architectures over time.

Key Skills

Languages

JavaScript (ES6+), TypeScript, HTML5, CSS3

Front-End

React, Vue.js, scalable front-end architectures, complex UI refactoring, advanced dynamic forms, data visualization, charting libraries, product-oriented UX

Back-End

Node.js, GraphQL / GraphQL Yoga, Fastify, secure API design, worker management, asynchronous processing, document generation (PDF, XML), performance optimization

Architecture & Quality

Monorepo architecture, shared internal libraries, JavaScript → TypeScript migrations, legacy codebase restructuring, unit testing, technical documentation

AI & Automation

Integration of applied AI components (in-app chat, contextual assistance), automation of complex business workflows, user configuration assistance

Integrations

Stripe, DocuSign, third-party business services

Professional Experience

Lead Full Stack Developer

Alf – Paris
09/2022 – Present

Lead developer on a SaaS platform dedicated to the digitalization and automation of legal business processes, used in production by business teams.

- Designed and led the front-end (React) and back-end (Node.js / GraphQL) architecture within a structured monorepo using shared internal libraries.
- Led a complete redesign of the workflow and document generation engine, shifting from a technical configuration approach (JSON / HTML) to a no-code solution based on dynamic Word documents (variables, conditions, loops).
- Significantly reduced user-side configuration complexity while improving overall product maintainability.
- Drove a progressive migration of a large JavaScript codebase to TypeScript to increase reliability and reduce technical debt.
- Integrated AI-driven features (in-app chat, contextual assistants) to support users in building and operating workflows.
- Designed a back-end focused on performance, security and scalability, including the integration of critical third-party services (electronic signature via DocuSign).

Front-End Developer

Eulerian Technologies – Paris

11/2017 – 08/2022

Front-end developer on a high-volume marketing data collection, analysis and visualization platform.

- Contributed to the complete migration of the client application from Ext JS to Vue.js, with a progressive UI refactor and significant improvements in code readability and maintainability.
- Developed advanced data visualization and analysis features (dashboards, charts, real-time metrics).
- Integrated complex charting libraries to enable large-scale data exploration.
- Designed and implemented interactive onboarding flows and in-app user guides to reduce product learning time.
- Added unit tests and produced technical documentation to strengthen front-end component reliability and long-term evolution.

Education

Master of Science (MSc) in Computer Science

SUPINFO International University – Paris

2016 – 2019

Languages

French: Native
English: Fluent