Matthieu Vagnon

UX-Driven Full-Stack Engineer | React/Next/TS Expert
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Summary

Full-stack engineer with 4 years of experience building user-focused, high performance web applications.

- Strong front-end expertise in React.js, Next.js and TypeScript, combined with a solid back-end foundation.
- Passionate about crafting accessible, seamless, and impactful user experiences across devices.
- Worked with teams ranging from startups to world-class companies like TotalEnergies.
- Valid spouse visa (no need for sponsorship).

Technical Skills

- **AI Tools**: ChatGPT, Claude, Cursor IDE, GitHub Copilot
- **Languages**: JavaScript (ES6+), TypeScript, HTML5/JSX, CSS3/SCSS/LESS, Python, SQL
- **Front-End Frameworks**: React.js, Next.js
- **State Management**: Redux, Context API
- **Front-End Libraries**: TanStack Query (React Query), Framer Motion, React Router, Zod, React-i18next, Next-intl, Plotly.js
- **UI Libraries**: Tailwind CSS, Material UI, Chakra UI, Bootstrap, Ant Design, ShadCN UI, Radix UI
- **Build Tools**: Webpack, Vite, npm, Yarn
- **Back-End & API**: FastAPI, Uvicorn, Pydantic, SQLAlchemy, OAuth, PostgreSQL, Supabase
- **Testing**: React Testing Library, Cypress, Pytest
- **DevOps & CI/CD**: Docker, GitHub Actions, Vercel
- **Performance**: Lighthouse, Web Vitals, Code Splitting, Lazy Loading
- **Accessibility**: WCAG 2.1 Standards, Aria Attributes, Screen Reader Compatibility
- **Best Practices**: ESLint, Responsive Design, Cross-Browser Compatibility, Atomic Design, Component-Driven Development, SEO Optimization
- **Design**: Figma
- **Others**: Git, Visual Studio Code, Prettier

Professional Experience

Full-Stack Engineer (freelance)
Oct 2024 – Present

Hosted Portfolio (mvagnon.dev)
React.js, Next.js, TypeScript, JSX, Context API, Framer Motion, Next-intl, Tailwind CSS, ShadCN, Radix UI, Webpack, npm, Figma

- Web portfolio built with React and Next.js to showcase my freelancer profile and my past project case studies as well as my links.
- Optimized for search engine visibility, achieving a 100/100 score in both SEO and Best Practices on Lighthouse, leveraging Next.js' server-side rendering.
- Delivers an intuitive user experience and fast performance, with a 99 Performance score on Lighthouse.
- Source code is publicly available on GitHub.

My roles and responsibilities:
- Designed the entire application and UI components in Figma.
- Independently implemented the app using Next.js within less than 4 weeks.

Smart Interview SaaS (Pulse Partners)
React.js, Next.js, TypeScript, JSX, SQL, Redux, Context API, TanStack Query, Framer Motion, Zod, Next-intl, Tailwind CSS, Material UI, ShadCN UI, Radix UI, Webpack, npm, PostgreSQL, Supabase, Figma

- React/Next.js web application empowering 5+ Swiss-based businesses to create AI-powered surveys to target efficiently their audiences with the analytics platform.
- The AI is able to injects context-aware follow-ups for every survey question, effectively doubling the amount of actionable data and improving response quality by up to 100%.

My roles and responsibilities:
- Designed and developed new front-end features, including drag-and-drop question ordering and reusable presets — reducing survey creation time by ~45% and enabling non-technical users to perform complex actions. Led the unification of the builder and analytics into a single app, cutting navigation time by 50%.
- Doubled the number of fully customizable form components in the builder — including but not limited to matrix grids, tables and radio buttons. Added more customization options for the existing ones such as sliders, min, max for number inputs and reset fields for checkboxes.
- Improved UI/UX across the platform: added visual loaders, ensured full responsiveness across devices, and aligned design across all major app areas (builder, analytics, dashboard, survey) — resulting in more user retention and fewer support tickets.

Predictive Layer, Switzerland (permanent – remote)
Principal Front-End Engineer & Designer
Apr 2022 – Oct 2024
React.js, JavaScript (ES6+), JSX, CSS3, Redux, Context API, Plotly.js, Material UI, Webpack, Vite, npm, Figma

- Designed multiple SaaS interactive mock-ups (mobile, tablet, desktop) with Figma.
- Led the implementation of diverse front-end SaaS from scratch mainly using React, Vite, Material UI and React Router.
- Implemented complex and fully customized charts using Material UI-X.
- Collaborated with back-end engineers, who provided APIs, to ensure seamless integrations.
- Implemented user authentication and role management systems using Auth0 to in-house

products — eliminating all manual user creation and significantly streamlining onboarding processes.

- Led the creation of a modern visual branding system (flat design, vivid color palette, streamlined components) for the company using Figma.

Influactive, Lyon (apprenticeship – 3/5 days)
Full-Stack Engineer
Jun 2021 – Apr 2022
JavaScript (ES6+), HTML5, CSS3, SQL, Figma

- Developed fully customized WordPress themes tailored to specific client requirements mostly using HTML, CSS and PHP.
- Maintained multiple WordPress websites.
- Maintained and developed JavaScript features (e.g., video players).
- Designed with Figma and developed an HTML/CSS/JavaScript cookie consent gestion panel, enabling site admins to manage user cookies and control how they are presented to users through a customizable consent banner.
- Integrated multiple tracking tools to the panel (Google Analytics, Matomo, etc) — resulting in a measurable increase in tracking coverage, up to 2x more data collected.

Education

- Sep 2021 – Apr 2022
  Lyon 2 University, France
  Bachelor of Web Project Management
- Sep 2020 – Sep 2021
  Lyon 1 University, France
  Associate in Computer Software Engineering
- Sep 2018 – Jul 2020
  Polytech Lyon, France
  Intensive Preparatory Program in Mathematics and Computer Science

Qualifications

- IKM JavaScript Proficiency Exam (96/100 – top 5% globally)
- Google UX Design Course Certificate
- Meta Advanced React Course Certificate

Language Skills

- English – Fluent Level (TOEIC Certificate – 900/990)
- French – Native
- Japanese – Conversational Level

References

Mohamed Bibimoune
TotalEnergies, Head of Gas&Power Predictive Department

Matthieu provided Predictive Layer with high standard quality product from front-end point of view. He developed several products used live by our customers to consume the forecasts produced by our company. He is serious and always delivers on time, taking into account our requirements. I would highly recommend him as a service provider for any front application needed.

Matthieu Saussaye
Pulse Partners, CEO

I hired Matthieu for our SmartInterview interface. Thanks to his skills, we were able to greatly improve the design and ease of use for our users. Thank you for everything!