

Sami Bentaiba

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Summary

Software Developer

I'm a passionate and fast-learning software developer and student who, within one year, has mastered full-stack web development using both JavaScript and PHP. Currently, I'm expanding my skills into desktop and mobile application development, along with a deep focus on building software services across multiple platforms. My drive to continuously learn and adapt allows me to tackle new technologies quickly and effectively.

Skills

Frontend Development

React (3 years): React is a JavaScript library for building user interfaces. I've used React extensively to build single-page applications, focusing on component-based architecture and state management with hooks and context API.

Next.js (2 years): Next.js is a React framework that enables server-side rendering and static site generation. I've used Next.js to build performant and SEO-friendly web applications, leveraging its file-based routing system and API routes.

TypeScript (2 years): TypeScript is a strongly typed programming language that builds on JavaScript. I use TypeScript in all my projects to ensure type safety and improve developer experience with better tooling and documentation.

Tailwind CSS (2 years): Tailwind CSS is a utility-first CSS framework. I use Tailwind CSS to rapidly build custom designs without leaving HTML, focusing on responsive design and component consistency.

Backend Development

Node.js (3 years): Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. I've used Node.js to build RESTful APIs, microservices, and server-side applications, focusing on performance and scalability.

Express (3 years): Express is a minimal and flexible Node.js web application framework. I've used Express to build RESTful APIs and web servers, with a focus on middleware architecture and routing.

PostgreSQL (2 years): PostgreSQL is an advanced, open-source relational database. I've used PostgreSQL for data storage in various applications, leveraging its robust features for complex queries and data integrity.

Prisma (1 year): Prisma is a next-generation ORM for Node.js and TypeScript. I use Prisma to interact with databases, taking advantage of its type-safety and intuitive API for database operations.

DevOps & Tools

Git (4 years): Git is a distributed version control system. I use Git daily for version control, collaboration, and managing code changes across projects.

Docker (2 years): Docker is a platform for developing, shipping, and running applications in containers. I use Docker to create consistent development environments and simplify deployment processes.

GitHub Actions (1 year): GitHub Actions is a CI/CD platform integrated with GitHub. I use GitHub Actions to automate testing, building, and deployment workflows for my projects.

Vercel (2 years): Vercel is a deployment and collaboration platform for frontend developers. I use Vercel for deploying and hosting web applications, taking advantage of its serverless functions and edge network.

Experience

Senior Frontend Developer

Tech Innovations Inc.

Jan 2022 - Present · Remote

- Redesigned the dashboard UI, improving user engagement by 25%
- Implemented a new authentication system with SSO support
- Created a component library used across multiple products

Frontend Developer

WebSolutions Co.

Mar 2020 - Dec 2021 · New York, NY

- Built an e-commerce platform for a fashion retailer
- Developed a patient portal for a healthcare provider
- Created an interactive dashboard for a financial services company

Web Development Intern

Digital Creatives

Jun 2019 - Feb 2020 · Boston, MA

- Developed a portfolio website for a local photographer
- Created a WordPress site for a restaurant with online ordering capabilities
- Assisted in building a landing page for a mobile app startup

Projects

E-commerce Platform (Next.js, React, TypeScript, Tailwind CSS, Prisma, PostgreSQL, Stripe): Building this e-commerce platform was a challenging but rewarding experience. I learned a lot about integrating payment processing systems and managing complex state in a large application. The most challenging aspect was implementing the shopping cart functionality across different pages and ensuring data consistency. I solved this by using React Context API and local storage for persistence. I'm particularly proud of the performance optimizations I implemented, resulting in a Lighthouse score of 95+ across all categories.

<https://example-ecommerce.vercel.app>

<https://github.com/username/ecommerce-platform>

Task Management App (React, Node.js, Express, MongoDB, Socket.io, Docker): This project was my first experience building a real-time collaborative application. Implementing WebSockets for real-time updates was both challenging and fascinating. I learned a lot about state synchronization across multiple clients and handling race conditions. The project also improved my skills in designing database schemas for complex relationships between entities. Working with a team on this project taught me valuable lessons about code organization, documentation, and collaboration workflows.

<https://task-app-demo.vercel.app>

<https://github.com/username/task-management-app>

Weather Dashboard (React, TypeScript, Chart.js, Mapbox, OpenWeather API, Tailwind CSS): Building this weather dashboard was a great opportunity to work with external APIs and data visualization libraries. I enjoyed the challenge of presenting complex weather data in a user-friendly interface. The most interesting part was implementing the interactive maps with weather overlays. I learned a lot about geospatial data and map projections. This project also helped me improve my skills in responsive design, ensuring the dashboard works well on both desktop and mobile devices.

<https://weather-dash.vercel.app>

<https://github.com/username/weather-dashboard>

Personal Blog (Next.js,MDX,Tailwind CSS,Vercel,React): Creating this blog was a fun project to explore static site generation with Next.js and content management with MDX. I wanted a platform to share my knowledge and experiences in web development. I particularly enjoyed designing the typography and reading experience, focusing on readability and accessibility. The project helped me understand the importance of performance optimization for content-heavy websites. The blog continues to be a platform for me to document my learning journey and share insights with the developer community.

<https://dev-blog-example.vercel.app>

<https://github.com/username/personal-blog>

Fitness Tracker (React Native Web,Firebase,Redux,D3.js,Progressive Web App): Developing this fitness tracker was motivated by my personal interest in fitness and health. I wanted to create a tool that I would actually use myself. The most challenging aspect was designing the data structure to efficiently store and query workout and nutrition data. I spent considerable time researching fitness tracking methodologies to ensure the app would be useful for different types of workouts and diets. Implementing the progress visualization charts was particularly rewarding, as it required transforming complex data into intuitive visual representations that help users understand their progress at a glance.

<https://fitness-tracker-pwa.vercel.app>

<https://github.com/username/fitness-tracker>

Portfolio Website (Next.js,TypeScript,Tailwind CSS,Framer Motion,Vercel): Creating my portfolio website was an opportunity to showcase not just my projects, but also my design sensibilities and attention to detail. I wanted a clean, professional site that would highlight my work effectively. I focused on creating a smooth user experience with subtle animations and transitions. The project helped me refine my skills in responsive design and accessibility. The most enjoyable part was implementing the dark mode toggle that respects the user's system preferences while allowing manual override.

<https://portfolio-example.vercel.app>

<https://github.com/username/portfolio-website>

Education

B.S. in Computer Science (University of Technology, 2015-2019)