Sami Bentaiba

samibentaiba25@gmail.com • +213 656 73 98 96 • Blida, Algeria

https://bentaidev.vercel.app • https://github.com/samibentaiba • https://www.linkedin.com/in/samibentaiba

SUMMARY

I'm a software engineer who evolved from a computer science student into a full-stack developer, then into a software architect and team lead. My journey has taken me through every stage of software creation — from learning computer fundamentals, algorithms, and system design, to mastering multiple programming languages and building complete software solutions. As an architect, I learned to design and implement scalable patterns and system plans, and as an operator, I developed workflows and maintenance strategies to ensure long-term software quality. Through this continuous growth, I've become a software engineer capable of planning, creating, and improving entire systems — bridging the gap between development, architecture, and operational excellence.

SKILLS

Development Operations

Pipeline Manipulation, Microservices, Git & GitHub, GitHub Actions, CI/CD, Docker, Vercel, Linux Ecosystem, Unix Systems, Windows

Frontend Development

React, Next.js, TypeScript, Tailwind CSS, shadcn/ui, HTML & CSS, Vite, Angular, Electron

Backend Development

Node.js, Express, PostgreSQL, Prisma, SQLite, Java, Spring Boot, Next.js, NextAuth.js

Programming Languages

TypeScript, JavaScript, C, Bash, Rust, Python, Go, C++, C#, Haskell, IDEs & Editors

Architecture & Documentation

Figma, System Architecture, Technical Documentation, Source Code Analysis

EXPERIENCE

Full Stack Developer & Architect   Jun 2024 - Sep 2024
ITC (Proposed Donation) • Remote

- ITC Hub - Internal communication and management platform

Junior Software Engineer
2023 - Present
Self-employed/Freelance • Remote

- Mosquito Killer DZ - High-conversion landing page
- COD Simulation - E-commerce ROI calculator
- Remdani Dental Center - Clinic website
- Sunrise Energy - Corporate client preview
- C-Studio - Desktop IDE for C programming
- Algis - Agricultural management system

Active Member & Developer
2024 - Present
ITC Programming Club • Algiers, Algeria

- ITCP Website
- ITC Talks Platform

Frontend Developer
2024
CSE USDB promo 2023 • Algiers, Algeria

- CSE Hub

PROJECTS

COD Simulation Dashboard   Next.js, TypeScript, Tailwind CSS, shadcn/ui, Lucide React

Built this tool to help e-commerce business owners visualize their expenses and profits. It focuses on providing a clear, real-time financial overview.

Live Demo • GitHub

Mosquito Killer DZ   Next.js, React, Tailwind CSS, shadcn/ui, System Architecture, Technical Documentation

Designed to maximize conversion rates for a local e-commerce product. Focused on speed, mobile responsiveness, and a frictionless checkout process.

Live Demo • GitHub

Algis Next.js, React, TypeScript, Prisma, PostgreSQL, NextAuth.js, Tailwind CSS, shadcn/ui, Linux Ecosystem, System Architecture, Technical Documentation

Working on Algis for a client in the agricultural sector has been a rewarding experience. The project involves complex data modeling with Prisma to handle UAPs, livestock, machinery, crops, and their relationships. I'm building a modern full-stack dashboard that replaces manual Excel-based workflows with a dynamic web application featuring authentication and role-based access. The repository is private due to client terms of service.

C-Studio Electron, TypeScript, React, MinGW-w64, Node.js, Windows, Linux Ecosystem, System Architecture, Technical Documentation

Building C-Studio was an exciting journey into desktop application development with Electron. The biggest challenge was bundling the MinGW compiler and ensuring it works seamlessly without any system configuration. I focused on creating a user-friendly experience for beginners learning C programming, with features like instant compilation and interactive terminal support.

ITC Hub Next.js, React, TypeScript, Tailwind CSS, shadcn/ui, Prisma, PostgreSQL, NextAuth.js, React Hook Form, Zod, Nodemailer, Recharts, Linux Ecosystem, System Architecture, Technical Documentation

Developing ITC Hub was a deep dive into full-stack Next.js development. The biggest challenge was designing the relational database schema with Prisma to handle complex relationships between users, departments, teams, and tickets. Implementing role-based access control (RBAC) with Next-Auth was a critical feature to ensure data security. This project solidified my skills in building secure, scalable, and data-intensive web applications.

Remdani Dental Center React, Node.js, Tailwind CSS, Linux Ecosystem

Collaborated as a Frontend Developer on this project, working closely with the backend developer and deployment lead. I also contributed to the backend development with small commits, gaining exposure to the full stack.

Sunrise Energy Next.js, TypeScript, Prisma, Tailwind CSS, shadcn/ui

This project allowed me to focus on creating a professional and visually appealing interface for a corporate client. I utilized Next.js for performance and SEO, ensuring the site is fast and discoverable.

AiHorizons React, TypeScript, Tailwind CSS, Vite, Figma, Pipeline Manipulation

This was a high-intensity project where I collaborated closely with a backend developer and a UI/UX designer to deliver a polished product in a very short timeframe. It tested my ability to work under pressure and coordinate effectively with a team.

ITC Talks   Next.js, TypeScript, Tailwind CSS, shadcn/ui, Figma

Collaborated with a UI/UX designer to bring the vision of ITC Talks to life. Focused on creating an engaging user experience and a seamless content management flow.

Live Demo • GitHub

ITCP   React, Vite, CSS, Figma, System Architecture, Technical Documentation, Python

Worked as a Frontend Developer in a team with a backend developer and a UI/UX designer. This project enhanced my teamwork skills and my ability to integrate frontend components with backend APIs.

Live Demo • GitHub

CSE Hub   React, Vite, Figma

My first significant project as a Frontend Developer. I collaborated with a UI/UX designer to translate designs into code, laying the foundation for my career in software engineering.

Live Demo • GitHub

Microservices &   Java, Spring Boot, Angular, H2 Database, Microservices, Linux Ecosystem, System
DevOps   Architecture, Technical Documentation

Expanded my skillset into backend and DevOps by working with Java Spring Boot and microservices. This project gave me a deeper understanding of full-stack architecture and database management.

GitHub

iShowOffRust, GitHub Actions, CI/CD, Linux Ecosystem, IDEs & Editors, System Architecture, Technical
             Documentation

This was a valuable learning experience with GitHub Actions. By forking and customizing this project, I gained hands-on experience with CI/CD pipelines, automated releases, and integrating dynamic content into my GitHub profile README.

GitHub

EDUCATION

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