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PROFILE

Full Stack Developer and 4th-year Computer Science student committed to crafting modern, scalable web applications. Proficient with Next.js, NestJS, and Express, I deliver robust, performance-driven solutions that enhance user experience. Self-motivated and continuously evolving, I excel at architecting systems from scratch and exploring innovative AI integrations.

EDUCATION

Higher School of Computer Science (ESI-SBA), Sidi Bel Abbès
Engineering Degree in Computer Systems

Sept 2021 – Present

TECHNICAL SKILLS

- **Programming Languages:** JavaScript (ES6+), TypeScript, Java, Python, Bash, HTML5, CSS3, Tailwind CSS.
- **Frameworks & Libraries:** Next.js (SSR/SSG), React.js, Node.js, Express.js, NestJS, emphasizing SEO, performance, and scalability.
- **Software Engineering:** Object-Oriented Functional Programming, modular architecture, SOLID principles, Agile/SCRUM methodologies, and rapid technology adoption.
- **Databases & ORMs:** PostgreSQL, MySQL, MongoDB (schema design, indexing, data modeling); proficient with Prisma, TypeORM, and Sequelize.
- **API & Backend Development:** Design of secure RESTful and GraphQL APIs, JWT authentication, microservices, and cloud-native patterns.
- **DevOps & Cloud:** Version control with Git/GitHub, CI/CD pipelines (GitHub Actions), Docker GCP, Vercel, and Netlify.
- **Web Performance & Testing:** Server-side rendering, bundle optimization, caching strategies, Lighthouse improvement, plus Test-Driven Development (Jest, Cypress).
- **Collaboration & Tools:** Figma for design collaboration, Postman for API testing.

PROFESSIONAL STRENGTHS

- **Deliver** end-to-end projects — from system design to production deployment — on time and on spec.
- **Learn** new frameworks and tools fast through self-directed research and experimentation.
- **Think** logically and structure code for long-term maintainability.
- **Solve** bugs and performance bottlenecks quickly with systematic debugging.
- **Collaborate** effectively using clear communication and version-controlled team workflows.
- **Adapt** to new stacks, product requirements, and priorities with minimal ramp-up time.

EXPERIENCE

Full Stack Developer, Personal Projects – Sidi Bel Abbès Jan 2023 – Present

- Built and deployed multiple full stack web apps to master modern development workflows.
- Developed dynamic UIs with React.js and Next.js, and created secure APIs with Express.js and NestJS.
- Integrated MongoDB and MySQL databases; owned the full dev cycle from design to deployment.

Full Stack Developer, University Project – Incubator Management Platform – Sidi Bel Abbès Jan 2025 – May 2025

- Collaborated on a full-featured platform to manage startup incubators and project pipelines.
- Built a scalable REST API with NestJS; handled user roles, project status tracking, and PostgreSQL integration.
- Delivered a responsive React frontend and managed deployment and system stability.

Back-End Developer, University Project – "Overtime Hours" API – Sidi Bel Abbès Jan 2024 – Jun 2024

- Designed and implemented a REST API from scratch using Node.js and Express.
- Engineered the data schema, core business logic, authentication layer, and test suite.
- Worked in a small technical team, following agile principles and version-controlled collaboration.

PROJECTS

Incubator Management Platform

- Full stack platform for managing startups and tracking incubated projects.
- Developed a secure API using NestJS with PostgreSQL integration and robust user role management.
- Built a responsive React frontend and managed all aspects of deployment and lifecycle.

Overtime Hours API

- Back-end API for managing overtime hours, requests, and validations in an academic setting.
- Developed with Node.js and Express, integrating a MySQL database and implementing JWT authentication.
- Collaborated in a team environment, contributing to schema design, security, and testing.

Car Rental Platform

- Full stack car rental solution with server-side rendering using Next.js and a RESTful API built in NestJS.
- Integrated vehicle listings, booking systems, user authentication, and a simulated payment flow.
- Optimized for performance, mobile responsiveness, and a clean user experience.

Personal Portfolio Website

- Responsive portfolio built with React and Tailwind CSS to showcase projects and professional experience.
- Features project highlights, a comprehensive experience section, and an interactive contact form.
- Designed with a mobile-first approach, including dark/light theme support.

E-commerce Shop (Frontend Only)

- Created a dynamic shopping interface featuring product cards, a dynamic cart, and a favorites system.
- Used React, Context API, and Tailwind CSS for state management and responsive design.

- Focused on clean UI, superior user experience, and mobile-first design principles.

SNMP Network Management Interface

- Developed a Next.js interface to visualize and interact with network topologies from GNS3 simulations.
- Integrated SNMP protocols to execute OID queries and retrieve vital network performance data.
- Designed for effective network monitoring and fault diagnosis in simulated environments.