Salah Sfar

Backend Developer

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Portfolio: https://portfolio-5gh8.vercel.app/

Profile

Backend developer specializing in Node.js, with over 2 years of experience in designing scalable and performant server platforms. Expertise in modern frameworks such as NestJS and Express.js. Strong skills in API performance optimization, implementation of secure authentication systems (JWT, OAuth2), and resolution of complex technical problems. Committed to maintaining clean and quality code.

Technical Skills

Backend Development: Node.js (2+ years), Express.js (2+ years), NestJS (1+ year), REST APIs (2+ years)

Databases: MongoDB (2+ years), PostgreSQL (1+ year), Redis, Mongoose (2+ years)

Security: JSON Web Tokens (JWT), OAuth 2.0, Two-Factor Authentication (2FA)

DevOps: Docker, GitHub Actions, CI/CD

Languages: JavaScript (incl. TypeScript)

Tools: Git, FFmpeg, Stripe API, Socket.io, WebRTC, Swagger, Postman

Methodologies: Agile, RESTful API Design

Professional Experience

Dar Blockchain   **Back-End Developer (Node.js)**
Nov 2022 - Present   *Distance, Tunisia*

91 Funds (DeFi Platform)

- Developed and implemented two-factor authentication (2FA) to enhance the security of the platform, enabling investment in portfolios managed by experts via NFTs.
- Contributed to the success of the platform, which has raised over $ 1,221,000 USD in investments since its launch.
- Used Redis for caching and system performance optimization, significantly improving responsiveness.
- Developed and managed the administrator dashboard to visualize platform statistics and monitor activities, facilitating decision-making.

Technical Stack: NestJS, Mongoose, TypeScript, Node.js, Redis

Recut

- Developed the backend of a platform allowing the creation of video content optimized for social networks, with legal access to film and series excerpts.
- Implemented key features such as precise video cropping (reducing processing time by up to 90%), automatic conversion to adapted formats (horizontal, vertical, square), and performance optimization through advanced compression and video streaming techniques.
- Implemented a structured storage system to organize and save the processed videos in dedicated folders, facilitating their later retrieval.

Technical Stack: Node.js, Express, Mongoose, FFmpeg, Stripe

ECOSYSTEM DAO

- Developed the backend of a platform aiming to support entrepreneurs by allowing them to connect with experts, participate in assistance programs and hackathons.
- Implemented a voting system to evaluate and select the most promising projects during the hackathons organized on the platform.
- Contributed to the organization of 2 hackathons, gathering more than 800 users and facilitating the creation of over 70 entrepreneurial projects.
- Designed and implemented scalable and secure systems to guarantee a fluid user experience during high-traffic events.

Technical Stack: Node.js, Express.js, Mongoose , TypeScript

Internships

Gpro Consulting   **Full Stack Developer Intern**
Feb 2023 - Jun 2023   *Sousse*

- Designed and developed a digital platform to collect the necessary information to prepare a professional career.

Technologies: React Js, Node JS, Express JS, Redux-Toolkit, Mongoose, Git, OAuth 2.0, Cloudinary.

Satoripop   **Full Stack Developer Intern**
Jul 2021 - Sept 2021   *Sousse*

- Developed a mobile application to follow the scores, events and news of the Premier League.

Technologies: React native, Firebase, Express JS, Node JS.

Education

Engineering Degree in Computer Engineering	**Sousse, Tunisia**
École Polytechnique de Sousse	*2021 – 2024*
Integrated Preparatory Cycle	**Sousse, Tunisia**
École Polytechnique de Sousse	*2019 - 2021*
Baccalauréat in Technical Sciences	**Mahdia, Tunisia**
Lycée Tahar Sfar Mahdia	*2019*

Certifications

– DevOps Pre-Requisite Course - Kodekloud

– Docker Training Course for the Absolute Beginner - Kodekloud

– JavaScript Algorithms and Data Structures - FreeCodeCamp

– MongoDB CRUD Operations in Node.js - MongoDB

Accomplishments

– Participation in the social entrepreneurship contest "ActionAid" (2nd place)

– Creation of educational content: "Formationnet" on Instagram

Personal Projects

Real-time Messaging Application

– Development of an instant messaging application with user account creation.

Technologies: NestJS, React, Redux Toolkit, GraphQL, Prisma, Docker.

Languages

- **Arabic** [Native]

- **English** [Bilingual]

- **French** [Bilingual]