



# SALAH SFAR

Backend Engineer Specializing in Node.js & NestJS

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portfolio  
Tunis, Tunisia

**About Me:** Back-End Engineer with 2 years of experience in developing scalable web applications using Node.js and NestJS. Expert in designing RESTful APIs and performance optimization. Eager to contribute to innovative projects within a collaborative team.

## Skills

- **Programming Languages:** Javascript (including TypeScript)
- **Frameworks and Libraries:** Node.js, Express.js, NestJS, Next.js, React.
- **Tools:** Docker, GitHub Actions, CI/CD, Postman
- **Databases:** MongoDB, Redis, MySQL, PostgreSQL, SQL, NoSQL.
- **Operating Systems:** Windows, Linux, macOS.
- **Soft Skills:** Problem-solving, teamwork

## EDUCATION

**Computer Engineering Degree**  
Ecole Polytechnique de Sousse

2019 – 2022

**Preparatory Program for Engineering Studies**  
Ecole Polytechnique de Sousse

2017 – 2019

## CERTIFICATIONS

- Docker Training Course for Beginners - kodekloud
- DevOps Pre-Requisite Course - kodekloud
- JavaScript Algorithms and Data Structures - freeCodeCamp
- MongoDB CRUD Operations in Node.js - MongoDB
- Learning Linux Basics Course & Labs - kodekloud
- PHP & MySQL - Certification Course for Beginners - udemy
- Terraform Basics Training Course - kodekloud

## PERSONAL PROJECTS

### LearnHub

- A digital platform that helps people find the ideal training based on their specific needs and goals.

**Keywords:** NestJS, GraphQL, PostgreSQL, TypeORM, Redux

### Real-Time Chat Application

- An application that allows users to create accounts and communicate via real-time messaging.

**Keywords:** NestJS, React, Redux Toolkit, Prisma, Docker, socketIO

### Stress Test

- Developed a full-stack application with Next.js and TypeScript to test API robustness through concurrent requests, featuring performance metrics, latency analysis, and a visual health score.

**Keywords:** Next.js, Axios, TypeScript, React.js, Tailwind CSS

## HONORS

- 2nd place in the "ActionAid" social entrepreneurship competition
- Created educational content online under the 'Formationnet' brand on Instagram

## LANGUAGES

- Arabic: Native
- French: Intermediate
- English: Intermediate

## INTERESTS

- Chess
- Music
- AI Tools

## PROFESSIONAL EXPERIENCE

**Backend Developer**  
Dar Blockchain

Tunis, Tunisia  
Nov 2022 - Jan 2025

### 91 Funds

- Developed and implemented two-factor authentication (2FA) to enhance platform security, allowing investments in expert-managed portfolios via NFTs.
- Contributed to the platform's success, raising over \$1.221 million USD in investments since launch.
- Utilized Redis for caching and system performance optimization, significantly improving responsiveness.
- Developed and managed the admin dashboard for platform statistics and activity monitoring, aiding decision-making.

**Keywords:** NestJS, Mongoose, TypeScript, Node.js, Redis

### Recut

- Developed the backend of a platform that enables creating optimized video content for social media, with legal access to movie and series clips.
- Implemented key features like precise video trimming (reducing processing time by up to 90%), automatic conversion to suitable formats (horizontal, vertical, square), and performance optimization through advanced compression and video stream management techniques.
- Established a structured storage system to organize and save processed videos in dedicated folders for easy retrieval.

**Keywords:** Express, Mongoose, FFmpeg, Stripe, JavaScript, passport Js

### ECOSYSTEM DAO

- Developed the backend of a platform aimed at supporting entrepreneurs by connecting them with experts, participating in assistance programs, and hackathons.
- Implemented a voting system to evaluate and select the most promising projects during hackathons hosted on the platform.
- Contributed to organizing 2 hackathons, bringing together over 800 users and facilitating the creation of more than 70 entrepreneurial projects.
- Designed and implemented scalable and secure systems to ensure a smooth user experience during high-traffic events.

**Keywords:** Node.js, Express.js, Mongoose, TypeScript, Docker, React.js, redux, Socket.io

## INTERNSHIPS

**FullStack Developer**  
Gpro Consulting

Sousse, Tunisia  
Feb 2023 - June 2023

### SkillsyncEduct

- Designed and developed a digital platform that consolidates necessary information to build a successful career by choosing an appropriate professional path.

**Keywords:** React Js, Node JS, Express JS, Redux-Toolkit, Mongoose, Git, OAuth 2.0, Cloudinary

**FullStack Developer**  
Satoripop

Sousse, Tunisia  
July 2021 - Sept 2021

### Premier League App

- Developed a mobile app that offers users an immersive experience to follow Premier League scores, events, and news.

**Keywords:** React Native, Firebase, Express JS, Node JS