Abdallah ElTohamy

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PROFESSIONAL EXPERIENCE

Software Engineer   Oct 2023 – present
Shanda Studio

- **Full-Stack Development:** Developed and maintained full-stack applications using Next.js and Node.js Express for scalable, user-friendly solutions.
- **AI-Driven Competitive Edge**: Integrated AI-driven transcription and audio enhancement features to streamline podcast editing workflows.
- **Media Processing Engine**: Engineered robust media editing features, including metadata and cover art integration, powered by FFmpeg in the backend.
- **Cloud Deployment:** Deployed and managed AWS cloud infrastructure, ensuring high availability, secure access, and optimal performance.
- **RSS-Based Podcast Publishing:** Delivered advanced podcast hosting and publishing systems with seamless external storage and CDN integration for global accessibility.
- **Subscription & Payments**: Designed a MySQL database schema for user authentication, subscriptions, and payment processing (Stripe), ensuring reliable handling of transactions and user data.
- **Established and maintained a successful, long-term remote collaboration as an independent developer,** proactively communicating and consistently delivering high-quality code above experience level, resulting in continuous engagement and expanded project scope.

Software Developer   Mar 2022 – present
Freelancing

- **SaaS Platform**: Built a real-time client usage tracker and performance monitor using **React.js**, **Node.js**, **Socket.IO**, and **Sequalize**.
- **Database and Admin Panels**: Designed MySQL databases with **Next.js** admin panels for data analysis and user management.
- **Real-Time Applications**: Developed high-performance, low-latency apps with **WebSockets**, **Socket.IO**, and **Express.js**.
- **Media Processing Tools**: Created encoding and editing programs using **FFmpeg**, **Python**, and **JavaScript**.
- **AI Applications**: Built solutions with **TensorFlow**, **OpenCV**, and **Python** for image recognition and face manipulation.

Achievements

- Top-rated Freelancer on Upwork (Job Success Score 100%)
- Level one Freelancer at Fiverr.com (overall rating 5/5)
- Successfully finished 30 projects (35% long-term)

PROJECTS

Web-Based Video Editor
Developed a user-friendly video editing platform featuring a multi-layered timeline, real-time previews, and drag-and-drop functionality, tailored for creators of all skill levels.
Skills: JavaScript, React, WebGL, HTML5 Canvas, CSS3, FFmpeg, Node.js, Azure

Complete Greet
A powerful platform that enhances customer interactions through a real-time widget. It improves engagement, boosts satisfaction, and provides valuable insights into user behaviour.
Skills: JavaScript, WebSockets, Node.js, Express, Sequalize, UI/UX Design, DigitalOcean

Space Truss
Successfully created a program to solve any statically indeterminate Space trusses (space-truss-analyzer.onrender.com)
Skills: Finite Element Analysis, Three.js, HTML5, CSS3, JavaScript

EDUCATION

Bachelor of Engineering (Grade: B)   Oct 2019 – Jul 2024
Cairo University

Graduation Project (Grade: A)   Apr 2024 – Jul 2024

TECHNICAL SKILLS

Website development, **Servers deployment and maintenance**, **Data analytics**, **C/C++/C#**, **MySQL** (Sequelize framewrok), **Python**, **FFmpeg** (Videos and images encoding), **Socket.io** (Real-Time applications), **React**, **Batch**, **Nodejs**, **JavaScript**, **SQL**, **Microsoft office tools**, **WebGL**, **AWS**, **Azure**, **AI Tool Proficient.**, **GCP**, **Next.js**, **DevOps**

ACHIEVEMENTS

Egyptian Rowing National Team   May 2016 – Jun 2023
Athlete   Cairo, Egypt

- Ranked 3rd two times in Final A in rowing junior men single scull in the 2018 MEMORIAL PAOLO DALOJA INTERNATIONAL REGATTA, Piediluco - Italy
- Ranked 5th in World Rowing Indoor Championship, Cairo - Egypt
- Ranked 1st one time and 2nd two times in Final A in rowing junior men single in the African Championships, Tabarka, Tunisia
- Ranked 1st in Final A in rowing junior men double scull and 3rd in Final A in rowing junior men single scull in the 2018 African YOG Qualification Regatta, Tipaza - Algeria