

Abdallah ElTohamy

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EDUCATION

Bachelor of Engineering (Grade: B) <i>Cairo University</i>	Oct 2019 – Jul 2024
Graduation Project (Grade: A)	Apr 2024 – Jul 2024

PROFESSIONAL EXPERIENCE

Software Engineer <i>Shanda Studio</i> <ul style="list-style-type: none">Developed and maintained full-stack applications using Next.js and Node.js Express for scalable, user-friendly solutions.Integrated AI-driven transcription and audio enhancement features to streamline podcast editing workflows.Engineered robust media editing features, including metadata and cover art integration, powered by FFmpeg in the backend.Deployed and managed AWS cloud infrastructure, ensuring high availability, secure access, and optimal performance.Delivered advanced podcast hosting and publishing systems with seamless external storage and CDN integration for global accessibility.Utilized MySQL for comprehensive database management, handling authentication, validations, subscriptions, and payment processing.	Oct 2023 – present
Software Developer <i>Freelancing</i> <ul style="list-style-type: none">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.	Mar 2022 – present
Achievements <ul style="list-style-type: none">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 <p>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.</p> <p>Skills: JavaScript, React, WebGL, HTML5 Canvas, CSS3, FFmpeg, Node.js, Azure</p>
Complete Greet <p>A powerful platform that enhances customer interactions through a real-time widget. It improves engagement, boosts satisfaction, and provides valuable insights into user behaviour.</p> <p>Skills: JavaScript, WebSockets, Node.js, Express, Sequalize, UI/UX Design, DigitalOcean</p>

Shanda Studio

Shanda Studio revolutionizes podcasting with an AI-powered platform that simplifies creation and editing. Its intuitive tools, like text-based audio editing and intelligent enhancements, streamline workflows and automate tasks. Ideal for all skill levels, it enables seamless publishing to platforms like Spotify and Apple Podcasts.

Skills: AI Integration (OpenAI API), React, Next.js, Node.js, FFmpeg, RSS Feeds, SEO Optimization, AWS

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

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

TECHNICAL SKILLS

Website development

MySQL

Sequelize framewrok

React

SQL

AWS

Servers deployment and maintenance

Python

Batch

Microsoft office tools

Azure

Data analytics

FFmpeg

Videos and images encoding

Nodejs

WebGL

AI Tool Proficient.

C/C++/C#

Socket.io

Real-Time applications

JavaScript

Problem Solving

SOFT SKILLS

Problem Solving

Self-learning

Research

Teamwork

Communication

Time Management

Interpersonal skills

Leadership

Adaptability

Creativity

VOLUNTEERING

Enactus

Sep 2020 – Jul 2021

- Projects member working in a team of 40 members to search for needs, discover opportunities and establish new businesses.
- Collaborated with a team of 8 members to advertise more than 120 touristic places all over the country to promote domestic tourism
- Join campaigns that aim to raise awareness of promoting health and preventing malnutrition among children, especially in rural areas

Achievements

- Winning 3rd place in the Enactus national competition among 55 competing universities

LANGUAGES

• English

• Arabic