

# OMAR ABDELHAMED

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## PROFESSIONAL EXPERIENCE

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### Full-Stack Web Development | Udacity Nanodegree Program | Online Jul 2021 – Sep 2022

*Completed 4 Nanodegree tracks in Full-Stack Web Development and React Development, gaining expertise in modern web development technologies and best practices. Each track included weekly lectures, quizzes, exams, and a capstone project to demonstrate practical skills and gained a certificate at the end of every track.*

#### Tracks Completed:

- *Challenger Web Development Track (Jul 2021 – Sep 2021)*
- *Professional Front-End Web Development Track (Dec 2021 – Mar 2022)*
- *Advanced Full-Stack Web Development Track (Apr 2022 – Jul 2022)*
- *React Development Cross-Skilling Track (Aug 2022 – Sep 2022)*

#### Projects:

- **Landing Page** – Built a responsive, multi-section website using HTML, CSS, and JavaScript, optimized for performance.
- **Weather Journal App** – Developed a Node.js + Express app integrating OpenWeatherMap API, utilizing asynchronous data retrieval.
- **Client Mockup Project** – Simulated real-world project management, including client communication, Trello task management, and invoicing.
- **Image Processing API** – Created a TypeScript-based API using Express and Sharp, optimizing performance with caching.
- **Storefront Backend** – Designed a RESTful API for an e-commerce platform, implementing user authentication and database management.
- **Udagram (Full-Stack Hosting)** – Deployed an image filtering app to AWS using Elastic Beanstalk, S3, and RDS.
- **MyReads (Book Tracker)** – Built a React-based bookshelf app with state management and API integration.

### Software engineer intern | Pinsoft Yazılım | Tekirdağ, Turkey Jul 2023 – Sep 2023

- *Worked with a team of 5 interns in frontend development, ensuring timely delivery of high-quality, reusable code.*
- *Developed and maintained responsive web and mobile applications using React.js and React Native, optimizing for maximum speed and scalability.*
- *Collaborated with backend developers to integrate RESTful APIs, improving application performance by 40% and reducing API response times by 25%.*
- *Ensured cross-browser compatibility and implemented UI/UX designs with a focus on user engagement and technical feasibility.*
- *Utilized Git for version control and followed agile methodologies to deliver projects efficiently.*

#### Projects:

- **FlyBilet Web App** – Developed a flight booking platform using React, Redux, and Firebase, integrating Spring-based APIs for booking and payments.
- **Cash App (Mobile Banking)** – Built a React Native banking app with QR-based money transfers, optimizing low-light QR scanning by 30%.
- **Attendance Tracker** – Developed a React Native app for real-time employee attendance tracking, logging, and notifications.

**Data Annotator | Huawei | Ankara, Turkey**

**Aug 2023 – Oct 2023**

- Annotated 10,000+ Arabic audio files, improving the accuracy of NLP models by 15%.
- Collaborated with a team of annotators and linguists, maintaining 95% consistency in annotations and achieving a 98% accuracy rate.
- Recognized as the **"Best Annotator"** for exceptional accuracy and consistency, receiving a **formal certificate of achievement**.

**FullStack Software Developer | NanoSoft | Egypt, Remote**

**Feb 2024 – Aug 2024**

Collaborated with **Nanosoft** on several client-based projects focused on web and mobile application development. My responsibilities included designing and implementing front-end interfaces using **React** and **React Native**, integrating APIs and backend logic with **Node.js**, and managing content-based sites using **WordPress**. I worked closely with cross-functional teams to deliver scalable, efficient, and visually appealing digital solutions tailored to each client's needs

**EDUCATION**

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**TEKIRDAG NAMIK KEMAL UNIVERSITY | Tekirdağ, Turkey**

Sep 2021 – June 2025

Computer Engineering

1. **Capstone: Retinal Vessel Segmentation Using U-Net, Attention U-Net, and Spatial Attention U-Net:** Developed and compared deep learning models for retinal vessel segmentation, achieving a 97% accuracy rate with Attention U-Net.
2. **Capstone: Image captioning project CNN-LSTM with Attention VS Transformer VIT-GPT2 comparison:** Developed and Trained CNN-LSTM with Attention model from scratch and compared it with the new in field Transformer models

**GPA: 3.35/4**

**SKILLS & VOLUNTEER EXPERIENCE**

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- **Languages:** English (fluent), Arabic (native), Turkish (fluent).
- **Digital Skills:** Data Science (Data Collection, Data Processing, Data Analysis, Data Visualization, Machine Learning, Deep Learning), Cloud and DevOps (AWS Elastic Beanstalk, S3, RDS, CI/CD, Environment Management).
- **Programming:** Python, C#, MATLAB, SQL, VBA, TypeScript, JavaScript (ES6+).
- **Software Development:** Clean Code, Object-Oriented Programming (OOP), Code Reviews, Git, RESTful APIs, Frontend Development (HTML5, CSS3, JavaScript (ES6+), React, Redux, jQuery, Ajax, Responsive Design, Cross-Browser Compatibility), Backend Development (Node.js, Express, PostgreSQL, JWT Authentication), Responsive Design, Cross-Browser Compatibility.
- **Tools:** Microsoft Office, Adobe Apps, Docker, Postman, Jasmine, ESLint, Trello, Figma.
- **Soft Skills:** Problem-Solving, Strategic Analysis and Evaluation, Innovation, Efficient Time Management, Team Collaboration, Client Communication, Project Management.