

Ahmed Ezzat

SOFTWARE ENGINEER

Cairo, EG

+20 112 735 3617 | ah.ezzat.mh@gmail.com | aezzat.com | [Rathetsu](#) | [AhmedEzzatMuh](#)

"Simplicity is deceptively complicated."

Summary

An accomplished Software Engineer with over five years of professional experience, specializing in mobile application development and full-stack web solutions. Renowned for my expertise in ReactNative, I've successfully translated complex designs into seamless mobile experiences. Having a deep understanding of modern frontend technologies, my commitment lies in crafting interactive and user-centric applications. My expertise extends to creating intuitive and responsive UIs. With a solid background in server-side development, I bring end-to-end mobile app and web solutions to life. Eager to collaborate with forward-thinking teams on groundbreaking and impactful projects.

Experience

OpenAI

San Francisco, CA

ChatGPT Trainer

Nov 2022 - Present

- Curated and refined ChatGPT's training data, leading to a 20% boost in model performance and a 15% reduction in biases.
- Pioneered a feedback loop system using active learning, targeting 10k+ ambiguous data samples, which increased model robustness by 25%.
- In collaboration with research scientists, evolved model architectures, leading to a noticeable reduction in training data inefficiencies.
- By solving programming challenges, enhanced ChatGPT's ability to understand complex descriptions and select optimal solutions.
- Devised a dynamic weighting system for adaptive model training, leading to more precise and contextually aware responses by the model.
- Using Python tools, upheld model excellence via comprehensive evaluation, merging data-driven metrics with human insights.

Nabta Health

Sharjah, UAE

Mobile Development Lead

July 2021 - Nov 2022

- Led the enhancement of the Nabta app's ReactNative chat-bot, integrating AI capabilities for health diagnostics and product recommendations.
- Trimmed app publishing cycles by 40% through a streamlined development pipeline and the implementation of robust CI/CD scripting.
- Pioneered the development of an NFC temperature sensor driver SDK for Android, leveraging Java ensuring reliability and seamless integration.
- Conceptualized and designed a Java library, enabling accurate predictions of users' ovulation windows based on daily temperature inputs.
- Architected a role-based permission system using Spring Security, fortifying app security and customizing user experiences based on roles.
- Directed and conducted technical interviews, ensuring the recruitment of top-tier candidates for both internships and permanent roles.

Talabat

Cairo, Egypt

Software Engineer | Mobile App Developer

Dec 2020 - Jul 2021

- Elevated user engagement by leveraging React Native, creating 50+ state-of-the-art UI components that enhanced the mobile experience.
- Streamlined 5,000+ daily orders with Node.js/Express.js backend and WebSockets, seamlessly connecting restaurant and end-user apps.
- Enhanced service for 10k+ daily users by implementing real-time GPS tracking using React Native and Node.js, offering live order updates.
- Boosted security by integrating a robust payment gateway on Android via React Native bridges, ensuring smooth financial interactions.
- Optimized delivery fee calculations by architecting a Dynamic Pricing Algorithm, ensuring adaptable and competitive prices.
- Converted 30+ UX/UI designs into mobile interfaces, improving user-experience to 100k+ monthly active users.

Nabta Health

Sharjah, UAE

Software Engineer | Mobile App Developer

May 2019 - Dec 2020

- Elevated the Nabta App's primary functions with architecturally sound React Native components, leading to an enriched user experience.
- Boosted application responsiveness and efficiency by designing client-side REST web-service interfaces, optimizing data retrieval.
- Expanded monetization capabilities by integrating a comprehensive Payment System into the Nabta App, streamlining user transactions.
- Upheld code quality and promoted best practices by actively participating in code reviews, ensuring robust and maintainable codebase.
- Significantly enhanced user guidance and fluid navigation within the Nabta ecosystem by co-developed an FSM chat-bot in React Native.

Wuzzuf

Cairo, Egypt

Web Developer

Aug 2018 - July 2019

- Boosted user engagement by revamping the job search feature using React.js, ensuring intuitive navigation and efficient job matching.
- Enhanced the real-time job application feedback system by integrating Redux, allowing users to instantly track application statuses.
- Elevated the website's responsiveness and aesthetics by implementing TailwindCSS, leading to a 15% increase in session duration.
- Streamlined the recruiter dashboard, enabling seamless job posting and applicant management using a combination of React.js and Redux.
- Revitalized the user profile editor, ensuring a user-friendly experience by harnessing the power of React.js components and TailwindCSS utilities.
- Optimized website load times by 20% by refining component re-renders using React.js coupled with strategic Redux state management.

Nabta Health

Sharjah, UAE

Software Engineering Intern

Jan 2018 - Mar 2018

- Enhanced the stability of the Nabta App by promptly resolving critical ReactNative bugs, elevating user satisfaction and engagement.
- Piloted the roll-out of frontend and backend solutions for the registration process, refining user interactions.
- Integrated an Order Management System to the ReactNative app, React.js website and the backend to streamline shipping the Nabta products.

Technical Skills

Programming Languages	JavaScript, TypeScript, Python, C/C++, Java, Groovy, Go, C#, SQL
Mobile Development - Frameworks	React Native, Flutter, Xamarin, Ionic
Mobile Development - Native	Android (Java, Kotlin)
Web Frontend - Frameworks & Tools	React.js, Next.js, HTML, CSS, Bootstrap, TailwindCSS
Web Frontend - Libraries & State Management	Recoil, Redux, Redux Saga, MobX, D3.js, react-svg, React-Router, Apollo GraphQL, Axios, REST
Web Backend - Frameworks	Django, Flask, Node.js, Express.js, RubyOnRails, Grails, Spring
Databases	PostgreSQL, SQLite, MongoDB, Cassandra, Redis, Firestore
AI & Machine Learning - Libraries	TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV, Pandas, NLTK
AI & Machine Learning - Techniques	RL, TL, SVM, Gradient Boosting, Clustering, NLP, CNNs, GANs

Projects

Uber Stats

React Native

- Uber Stats Tracker is a React Native application that interfaces with the Uber API to display user ride data. It fetches and visualizes key metrics including total trips, total expenditure, user rating, and trip dates. It prioritizes user privacy, requiring Uber credentials only for data retrieval without storing or sharing any information.

EliteCode

React.js, Next.js, Firebase

- A coding challenge platform inspired by LeetCode. It's developed using React, NextJS, TypeScript, and styled with Tailwind CSS. Data management and backend functionality are powered by Firebase.

Dental Lab Management System

React Native

- The Dental Lab Management Mobile App, developed in React Native, serves as a comprehensive platform designed to streamline dental laboratory operations. Key features include enhanced communication tools, simplified appointment scheduling, inventory management capabilities, secure patient record keeping, and real-time reporting.

Shisen

Java

- This Shisen game is a dynamic, visually engaging implementation of the traditional Shisen-Sho tile-matching game. Written entirely in Java, it offers an accessible, platform-agnostic gaming experience.

Algorithm Visualizer

React, D3.js

- Algorithm Visualizer is an interactive web application that demystifies various algorithms through customizable visual demonstrations, pseudocode, and code samples in popular programming languages. Built with React and D3.js, this tool is dedicated to making complex concepts more accessible to a broad audience, including students, educators, and programming enthusiasts.

LTI System Simulator

Python

- A simulator that computes and visualizes the output of a 'linear time invariant' system.
- Uses NumPy, Matplotlib and Tkinter for GUI and features advanced applied mathematics.

Collaborative Whiteboard

Node.js, Express and React

- A multi-user whiteboard that syncs all edits in real-time wired with web sockets.
- Utilizes Node.js websockets to synchronize drawing activities instantly across devices, coupled with a React.js design for intuitive interaction and a seamless collaborative experience.

Awards & Activities

ACADEMIC & PROFESSIONAL

2022	Tutor , Held sessions to teach the mobile development team members the intricacies of a library I wrote.	<i>Nabta Health, UAE</i>
2020	Intern of the Month , Two times in three month during my internship with the company	<i>Nabta Health, UAE</i>
2019	1st Place , Most efficient LTI System Simulator - System Analysis Course - Ain Shams University	<i>Cairo, Egypt</i>

EXTRACURRICULAR

2021	4th Place , Dell's $C(4F)_2$ Artificial Intelligence Hackathon	<i>Egypt</i>
2020	Finalist , ACM Egyptian Collegiate Programming Contest (ECPC)	<i>Alexandria, Egypt</i>
2020	1st Place , ACM ECPC Local Qualifiers (ASUCPC)	<i>Cairo, Egypt</i>
2020	2nd Place , Enactus's Youth Empowerment Hackathon	<i>Giza, Egypt</i>
2019	Finalist , ACM Egyptian Collegiate Programming Contest (ECPC)	<i>Alexandria, Egypt</i>
2019	1st Place , ACM ECPC Local Qualifiers (ASUCPC)	<i>Cairo, Egypt</i>
2018	Tutor , SefrWahed's Algorithms and Problem Solving Workshop	<i>Cairo, Egypt</i>

Education

Ain Shams University

B.Sc. in Electrical Engineering

Cairo, Egypt

2016 - 2021

Languages

– • Arabic (Native)

– • English (Bilingual Proficiency)

– • German (A1-certified)