

ADHAM ABDELWAHAB

+201153311885 · adham.hassan7499@gmail.com

SOFTWARE ENGINEER

I am a proficient Software Engineer with extensive experience in backend and frontend development for web and mobile applications, utilizing technologies such as React, React Native, JavaScript, TypeScript, Node.js, and Next.js. I excel in developing scalable solutions and optimizing user experiences with a strong foundation in full-stack development. In the Generative AI domain, I have built innovative solutions using emerging AI products, enhancing efficiency and capabilities. I have successfully delivered 5+ projects with 100% customer satisfaction, demonstrating my commitment to high-quality software solutions. Known for my problem-solving skills and adaptability, I thrive in dynamic environments while collaborating effectively with cross-functional teams.

STRENGTHS AND EXPERTISE

TypeScript / JavaScript	Python	Cross-Functional Collaboration
React / React Native	Django	Effective Communication
Full-Stack Development	AWS / GCP	Problem Solving
Mobile Development	Code Review	Time Management
Unit Testing	Agile/Scrum Development	Client Handling
GenAI / LLM Engineering	Postgres	Learning and Development

PROFESSIONAL EXPERIENCE

PwC ETIC

November 2023 - Present

Applied AI Frontend Engineer

Demonstrated strong ownership in frontend development by successfully delivering two client projects, handling all frontend responsibilities independently. Currently leading the frontend efforts for a third project of larger scale and greater scope. Additionally, I mentor interns, guiding them towards full-time employment by enhancing their technical skills and industry knowledge. Beyond frontend development, I collaborate closely with AI engineers to develop Generative AI solutions and intelligent agents, leveraging custom-made tools and open-source frameworks like LangChain and LangGraph.

Accomplishments:

- Independently delivered two client projects, managing all frontend responsibilities.
- Collaborated closely with backend developers, middleware engineers, and UX/UI designers to ensure seamless integration and high-quality product delivery.
- Attended client meetings, managing feedback loops, and gathering requirements to align project outcomes with client expectations.
- Implemented robust, performance-driven, secure, modular, and maintainable code, following established best practices and workflows.
- Onboarded new team members, particularly in frontend development, by providing guidance on technologies, codebases, and internal processes.
- Worked with cross-functional teams to deliver scalable and efficient products within tight deadlines.
- Developed proof of concepts that facilitated new client engagements and business opportunities.

Ejada Systems Ltd.
Frontend Engineer (Mobile Development)

August 2022 - November 2023

As a Frontend Engineer at Ejada, I specialized on mobile development using React Native. I successfully contributed to the end-to-end development of a project for the Saudi Ministry of Justice and worked on a banking application scheduled for release after my tenure. I was responsible for delivering key features, structuring the codebase, managing version control, and supporting build releases to ensure high-quality and maintainable mobile solutions.

Accomplishments:

- Owned and successfully delivered the Transfers feature in a banking app, enabling users to make seamless transfers between their bank accounts.
- Owned and delivered the complete Onboarding journey, including the creation of custom animations to enhance user experience and engagement from the first interaction.
- Participated in client meetings, gaining a deep understanding of business requirements to efficiently implement necessary features and ensure alignment with client expectations.
- Resolved critical bugs and deployed hotfixes to maintain app stability and ensure a smooth user experience.
- Implemented and integrated the Notifications feature to enhance user engagement and ensure timely communication.
- Owned and delivered the Marketplace feature, which showcased live deals and promotions, improving user interaction and app functionality.
- Optimized app performance by 15% by applying best practices and performance optimization techniques from Callstack guides, resulting in a faster and more responsive user experience.
- Collaborated with cross-functional teams, including backend developers and designers, to ensure cohesive and efficient feature integration.
- Managed version control and build releases, contributing to a well-structured codebase and smooth deployment processes.

Freelance (Long Term)
Backend Engineer

June 2021 - August 2022

As a Backend Engineer, I developed a backend system from scratch using Python and Django, integrated it with a locally deployed AI model, and designed the database schema to fit platform needs. I implemented session-based authentication and created API endpoints for seamless functionality. By migrating the deployment from Digital Ocean to AWS, I helped reduce infrastructure costs by 25%.

Accomplishments:

- Developed a backend system from scratch using Python and Django, providing a solid foundation for the platform's functionality.
- Integrated an AI model deployed locally, ensuring seamless interaction with backend services to support AI-driven features.
- Designed and implemented the database schema to align with the application's requirements, optimizing data storage and retrieval.
- Created and managed API endpoints to handle all necessary platform functionalities, ensuring smooth communication between the frontend and backend.
- Implemented session-based authentication, enhancing security and user management for the platform.
- Deployed the backend on Digital Ocean and later migrated to AWS, optimizing infrastructure to reduce costs by 25% and improve scalability and performance.
- Added new features and updates to the backend, continuously improving the platform's capabilities and user experience.

EDUCATION

The German University In Cairo

Graduate with Bachelors of Sciences In Networks Engineering, Information and Engineering Technologies
Department

References are available on request.