Ahmed Abu Qahf

Senior Software Engineer

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PROFILE

Skilled Full Stack Software Engineer with 5+ years of hands-on experience in Single Page Applications, RESTful & APIs with a willingness to master Front-end Development, Software Engineering Management & to become a Design Engineer. React specialist.

PROFESSIONAL EXPERIENCE

Reconciled   01/2024 – present | Remote
Founding Engineer ⍈

- Spearheading product evolution by translating high-fidelity Figma designs into scalable React components and improving UI/UX, driving a seamless user experience for the invoice reconciliation platform.
- Enhanced product analytics by integrating Twilio Segment with Google Analytics, Mixpanel, and Hotjar, enabling data-driven insights that optimize user sessions.
- Mentoring junior engineers and interns focusing on React, Next.js best practices, and design patterns like the Container-Presenter pattern, helping raise team technical proficiency.
- Cooperated on full-stack enhancements by refining backend infrastructure and implementing critical business features in close collaboration with the CFO and Lead Engineer, ensuring performance optimizations and.
- Optimizing codebase and architecture with a focus on maintainability and scalability, resulting in a 40% reduction in technical debt and enhancing the ease of future feature integrations.
- Driving product innovation by assuming design responsibilities in the absence of the designer, crafting elegant and functional UI/UX features that aligned with user needs and business goals.
- Collaborating across international teams including engineers from USA, Egypt, Mexico, Argentine, Kenya & Sweden to ensure product alignment and smooth integration, delivering high-impact features on time and with a focus on cost-effective scalability.

Nodogoro   05/2023 – 12/2023 | Remote
Software Engineer II ⍈

- Full Stack development of an ads' analyzer tool for the Konstant Kreative ⍈ client to analyze an image ad, provide feedback and convert that feedback to creative briefs using Next.js, GPT-4 Vision API, Tailwindcss, and shadcn/ui components.
- Oversaw the maintenance and enhancement of the Konstant Kreative platform on Bubble, proactively addressing reported bugs and implementing new functionalities to ensure optimal performance.
- Collaborated on the development of a Slackbot tool enabling user queries across diverse data sources (Google Drive, Calendar, Gmail, ClickUp, Fireflies…etc.). Ingested the data from google sources into the bot's vector database (Pinecone) using Node, Langchain, and Google APIs.
- Participated in the company hackathon, NodoAI, to develop a resume screening tool that allows recruiters to input job descriptions and qualifications and ask questions about candidate resumes using Python, LangChain, and OpenAI.
- Collaborated on building a cost saving scraping scripts that try to dynamically fetch similar prices for a given product from various online retail stores using python, LangChain, OpenAI, and Selenium web driver.

- Led the development of Outlined AI, a transformative mobile app extracting transcripts from audio/video files and providing users with features such as summaries, notes, and common questions using WhisperAPI, OpenAI, React Native, Node.js, and FFmpeg.

New Smart Egypt Integrated Solutions   11/2021 – 05/2023 | Nasr City, Egypt
Software Engineer I ⬈
- Full Stack development of an ad server like dashboard for the Ramsis Station's Free Wi-Fi website to handle multiple advertisers' requests to display their ads on the website.
- Development of a client application for the face-api.js ⬈ library to detect user's face expressions, age and gender, and extended it to become a Face Attendance app.
- Configuration and integration of ZKTeco MA500 Fingerprint scanner & ZKTeco MB2000 with Microsoft SQL Server and .NET core APIs to be integrated with Odoo ERP attendance module.
- Full Stack development of the Android ECARD mobile application for the Egyptian Company for Agricultural and Rural Development using the Expo framework, .NET Core Web API & Microsoft SQL Server.
- Refactoring the legacy code base for the Ramsis Station's Free Wi-Fi website & improving its performance on mobile phones.
- Full deployment of the ECARD RESTful API services and the SQL Server database on the Etisalat cloud using Internet Information Services (IIS) and .NET Core hosting bundle on Microsoft Windows Server 2019.

VOIS   07/2020 – 10/2021
Software Engineer ⬈   Smart Village, Egypt
- Design and implementation of new UI components & pages for a call center system to measure the performance metrics of a call center agent using React, Redux Toolkit, & Uber's React-Vis.
- Profiling, Troubleshooting & Bugs fixes for a full stack COVID-19 tracker web application built with React, Redux, Node.js & Mapbox GL JS.
- Developing new and customization of the existing features for a web portal for employees to access & enjoy their benefits using Angular & .NET Core.
- Revamping UI, UX and overall design aesthetic of a React Component Library following the company's design system using React & AWS Lambda functions with Node.js.
- Refined and improved the existing code for the RESTful API Services of the COVID-19 tracker and the react component library projects using Node.js & Express.

EDUCATION

Arizona State University   01/2022 – 12/2023 | Online
Masters of Science in Engineering in Software Engineering
- AGFE OLS Scholarship, 4.0/4.0

The American University in Cairo   09/2019 – 08/2019 | New Cairo, Egypt
Bachelor of Science in Computer Engineering
- Egyptian Public Schools Scholarship, 3.0/4.0

COURSES

Forward Program ⬈   04/2024 – 07/2024 | Online
Mckinsey & Company
- Covered courses about resilience, adaptability, problem solving, communication, building relationships building digital toolkit.

React Development Cross-Skilling Nanodegree Program   12/2022 | Online
Udacity
- Covered React, React Lifecycle, React Hooks, React Router & Redux.

Advanced Full-Stack Web Development Nanodegree Program   09/2022 – 11/2022 | Online
Udacity
- Covered TypeScript, Node.js, Express, Jasmine, PostgreSQL, JWT, Elasticbeanstalk, AWS S3, CircleCI, bash scripting & create documentation using markdown files and diagrams.

SKILLS

Programming Languages
JavaScript, TypeScript, Python, C++, Java

Frontend
HTML5, CSS3, React, React Native, Next.js

Backend
Node.js, Express, Dotnet Core, OpenAI, LangChain, FastAPI

.NET Development
ASP.NET, Web API, SOAP, WCF, WF, SOA

SDLC
Agile, Scrum, JIRA, Azure DevOps, Trello Boards

DevOps
Travis CI, CircleCI, Git, GitHub, GitHub Actions, CI/CD

Databases
MSSQL, MySQL, PostgreSQL, DynamoDB, MongoDB

Cloud
Azure, AWS Lambda, AWS S3, Surge, Vercel, Netlify

Developer Tools
VS Code, Visual Studio, DataGrip, SSMS, ASU VIPLE, AnyDesk

EXTRACURRICULAR ACTIVITIES

Vodafone   04/2019
Ambassador
- Represented Vodafone as an Ambassador at the **AUC employement Fair**, actively engaging with participants and showcasing the company's opportunities and values.
- Facilitated networking between prospective candidates and Vodafone recruiters, contributing to a positive and impactful presence for the company at the Fair.

Dell EMC   02/2019 | New Cairo, Egypt
Participant
- Worked with my team on solving the Mars Challenge at the **Dell EMC 423x Hackathon**.

The Saudi Federation for Cybersecurity, Programming and Drones   08/2018 | Jeddah, Saudi Arabia
Participant
- Developed with my team an innovative application named 'Kun 3awnan' ('Be Helpful'), that leverages the IoT devices in Masjid al-Haram to offer real-time assistance to pilgrims during the **Hajj Hackathon**.