

# Ahmed Abu Qahf

## Senior Software Engineer

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🌐 som3aware 🗣 ahmedsomaa 💎 Som3aware's blog

### PROFILE

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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

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#### Herwin Software

01/2024 – present | Remote

Growth Engineer ✍

- **Outsourced to Reconciled ✍ (01/2024 - 10-2025) where I:**
  - Engineered scalable React components from Figma designs for the invoice reconciliation platform, enhancing UI/UX and boosting customer adoption rates.
  - Integrated product analytics stack (Segment, Google Analytics, Mixpanel, Hotjar), enabling data-driven decision-making and optimizing user engagement flows.
  - Reduced technical debt by 40% through systematic refactoring and architectural improvements, resulting in faster feature delivery and lower maintenance costs.
  - Collaborated directly with CFO and engineering leadership to deliver critical business features, driving operational efficiency and platform reliability.
  - Mentored junior engineers and interns on React, Next.js, and design patterns, raising team proficiency and accelerating onboarding time.
  - Bridged design gaps by independently crafting UI/UX solutions, ensuring product continuity and alignment with user needs.
  - Coordinated across international teams (USA, Egypt, Mexico, Argentina, Kenya, Sweden), ensuring alignment and timely delivery of cost-effective, scalable solutions.

#### 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.

## Udacity

- Covered TypeScript, Node.js, Express, Jasmine, PostgreSQL, JWT, Elasticbeanstalk, AWS S3, CircleCI, bash scripting & create documentation using markdown files and diagrams.

## SKILLS

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### 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

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### Vodafone

04/2019

#### Ambassador

- Represented Vodafone as an Ambassador at the **AUC employment 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**.