

AHMED HAMDY

Senior Software Engineer

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📍 Cairo, Egypt

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Statement

Senior Full-Stack Software Engineer with a strong commitment to building robust software solutions. Proven track record in architecting, designing, and engineering backend platforms. Proficient in modern technologies and methodologies including containerization, microservices, and inter-service communication. Demonstrated leadership in managing software engineering teams and aligning the software development process with business goals.

EXPERIENCE

Senior Software Engineer @ Pleny, Formerly Qurba, A Food Social Platform

📅 July 2020 – Ongoing

📍 Alexandria, Egypt

Led a team of software engineers, managing bi-weekly sprints in an agile environment using Jira, and conducting estimate review meetings to keep projects on track. Architected, designed, and developed back-end and CMS front-end applications. Devised a strategy for modernization, implementing scaleable systems, and distributed architecture using containers, microservices, and NestJS.

- Built the backend for the Qurba food ordering app, achieving 35,000 orders and 70,000 app downloads.
- Enhanced inter-service communication and deployed the entire backend on AWS services, including ECS, ALB, EC2.
- Implemented the integration with AWS S3, CodePipeline, CodeBuild, and CloudWatch.
- Introduced login with Google in the CMS, enhancing security and preventing exploits.
- Utilized Docker Compose to orchestrate the entire backend and added the capability to work offline.
- Managed Redis session storage, caching, access token/refresh token and authorization.
- Developed complex logic for meal offers in the food and beverage industry, including 5 different offer types.
- Implemented a social backend for posts, comments, engagement between the backoffice and the users.
- Customized Elasticsearch on EC2 to improve functionality and designed a prototype using EKS.
- Optimized MongoDB through aggregation pipelines, query optimization, and index optimization.
- Participated in design reviews, led PR reviews, managed git flow, git branches and structure.

Full-Stack Software Engineer @ Kemitt, A Furniture Ecommerce

📅 August 2021 – May 2022.

📍 Cairo, Egypt

Maintained backend infrastructure, reducing downtime, and increasing traffic capacity. Introduced containerization technologies, updated legacy applications, designed and deployed entire backend on AWS Services using EC2, Route53, etc...

- Integrated with Algolia, reducing search errors and mismatches.
- Utilized Facebook Graph API to manage Facebook Catalog products automatically.
- Leveraged MongoDB, GraphQL and Nest for backend development.
- Maintained Kemitt's API and integrating 3rd party solutions with it.
- developed the new Kemitt B2B website With Angular, NestJS, and Mongoose.

Backend Software Engineer @ Sekkah, Trains Schedule via Crowdsourcing

📅 June 2018 – September 2018.

📍 Aswan, Egypt

Maintained admin dashboard APIs, provided various features including but not limited to near real-time updates and data communications using sockets

- Developed features from scratch, provided restful APIs to manage an accurate train schedule.
- Implemented backend with NodeJS, Mongoose, Express and Socket.io.

EDUCATION

Computer Engineering @ Aswan University, Egypt

📅 Oct 2014 – Jun 2019

B.Sc. in Computer Engineering from Aswan University - Faculty of Engineering. Graduated with accumulative grade of distinct with honors and first of my class.

STRENGTHS

- Development

Node.js

NestJS

Mongoose

MongoDB

Elasticsearch

REST APIs

Microservices

Angular

Typescript

Angular Forms

NgRx

RxJS

Express

JOI

HTML

CSS

SCSS

Bootstrap

Kafka

Unit Testing

Jest

- Development Tools

Docker

Docker Compose

Nginx

Amazon Web Services

AWS Lambda

AWS CodePipeline

Amazon S3

AWS EC2

AWS Route53

Eslint

Prettier

MongoDB Compass

NPM

Linux

WSL2

VS Code

Git

GitHub

GitHub Actions

Bitbucket

Postman

Swagger