Ahmed Magdy

Software Engineer

Worked for 2 years in industry and became interested in programming after taking CS50x on Harvard University Open Courseware. Interested in obtaining a challenging position as a software engineer where my technical and interpersonal skills can be utilized to benefit myself and the organization.

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EDUCATION

ICC Full Stack Web Development - Intensive Code Camp (ICC)

Information Technology Institute(ITI)– Ministry of Communication and Information Technology(MCIT)

08/2022 - 11/2022   *Alexandria*

Courses

- Databases
- Authentication and Authorization
- Version Control
- Deployment
- MVC Architecture
- APIs and RESTful Services
- Full-Stack Project Development
- CRUD operations

Linux Administration - Intensive Code Camp (ICC)

Information Technology Institute(ITI)– Ministry of Communication and Information Technology(MCIT)

12/2021 - 03/2022   *Alexandria*

Bachelor of Applied Science - BASc

faculty of engineering, Alexandria University

10/2012 - 06/2017   *Good*

WORK EXPERIENCE

Software Engineer

FlavourHouse

08/2023 - 12/2024   *remote*
private Sector company(PCS) specialized in Flavours, fragrances and aroma supplier in 6th of October City

Achievements/Tasks

- Designed and developed a full-stack web application with Laravel for the Research and Development department, integrating AI with Retrieval-Augmented Generation (RAG) and a vector database to analyze recipes. Enhanced the company's ERP system, improving operational efficiency and streamlining workflows

Software Engineer

nweave

01/2023 - 07/2023   *onsite*
"DELIVERS" custom made software solutions, software systems and mobile apps development

Achievements/Tasks

- Participated in developing a **healthcare web application** that improved patient data management and streamlined healthcare processes.
- Implemented **Docker** in the development environment, leading to more efficient resource utilization and easier application deployment.

SKILLS

JavaScript · Typescript · PHP · laravel · React · Next js · Node js · python · Django · Flask · GraphQL · Rest API · Tailwind CSS · SQL · Version control GIT · Java · Design Patterns · Docker · AWS · Kubernetes

PROJECTS

Expense Tracker API
- Developed a PHP-based Expense Tracker application to record, categorize, and analyze expenses, featuring a user-friendly interface, budget management, and financial insights for improved money management

Issue Tracker
- Developed an AI-powered issue tracking system using Next.js ,Typescript and Prisma integrating intelligent task automation and prioritization, enhancing productivity and workflow management.

rawg.io
- A game hub application built with React, TypeScript, and vite that utilizes the RAWG API to fetch and display game data.

Microservices project
- Image Filtering Application that allows users to register and log into a web client, post photos to the feed, and process photos using an image filtering microservice.

Server Deployment and Containerization
- containerize and deploy a Flask API to a Kubernetes cluster using Docker, AWS EKS, CodePipeline, and CodeBuild.

Serverless Web application Using AWS
- Develop and deploy using AWS Lambda, DynamoDB table and Serverless framework.

COURSES

CS50's Web Programming with Python and JavaScript, Harvard University
Python, JavaScript, Flask, SQL, APIs, front-end development, and more. Gained hands-on experience building full-stack web applications.

AWS Cloud Developer
Proficient in deploying, debugging, and developing cloud-based applications on AWS. Familiar with AWS services like S3, EC2, RDS, IAM, and CloudFormation.

CS50x Introduction to the intellectual enterprises of computer science, Harvard University
Comprehensive introduction to computer science and programming principles.

LANGUAGES

English
Full Professional Proficiency

Arabic
Native or Bilingual Proficiency