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Nader AbdalGhani

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Work Experience

Software Engineer

FrontStory

February 2022 — Present

- Collaborated with product managers to solely maintain a Django-based campaign creation tool that launched an average of 100,000 campaigns per year across five Demand-Side Platforms (DSPs)
- Leveraged parallel processing to reduce creatives processing times by 60%, significantly minimizing request timeouts
- Delivered UI/UX improvements using Alpine.js, jQuery, and vanilla JavaScript to streamline campaign creation workflows
- Integrated two additional DSP APIs, expanding reach and increasing diversification
- Revamped the user management system, introducing a new user type to better support organizational needs
- Developed background and cron jobs to automate creative assets housekeeping and reduce manual workloads
- Optimized ad revenue and audience targeting for high-traffic content arbitrage websites through interactive JavaScript widgets, interstitials, browser extensions, and third-party pixel integrations
- Boosted ad performance and engagement by optimizing ad unit placements for desktop and mobile across one-pager and quiz content formats
- Participated in the migration of a campaign management dashboard to React to improve maintainability and performance

Freelance Software Developer

(9 Jobs)

May 2019 — January 2022

- Earned "Top Rated" status and sustained 100% Job Success and Client Recommendation scores on Upwork
- Implemented a financial analysis system using Google Apps Script API for a large-scale content publisher. Extensively optimized the system to run as quickly as possible under Google Sheets limitations

Education

B.Sc. in Computer Engineering

Cairo University

September 2016 — May 2021

Projects

project rev

PyTorch, Hugging Face, Natural Language Processing (NLP)

• Conducted research, designed the architecture, and led a team of four in developing a five-module, audio-interactive, personalizable chatbot

Nabd React Native, Redux

• Incorporated internationalization, GPS tracking, and designed most of the user interface (UI) scenes and forms for a first-aid emergency assisting app, helping it become a \$60,000 government award finalist

kabsa

C++, Lex, Yacc, Compilers

• Built a compiler that supports eight language constructs, detects semantic and syntactic errors, and generates code for a hypothetical stack-based machine

Othello (Reversi)

Python, Artificial Intelligence (AI)

• Created a basic Othello game that supports two types of players: a human and a minimax alpha-beta pruning agent

Battleship Game 8086 Assembly

- Developed the ship-placement algorithm for the popular Battleship guessing game
- Emulated chat room scrolling using a queue data structure and 8086 Assembly graphics mode

Technical Skills

- Programming Languages: JavaScript/TypeScript, Python, C++, SQL
- Frameworks & Libraries: React, ¡Query, Django, Serverless Stack Toolkit (SST), AWS SDK, AWS CDK
- Tools & Services: Git & GitHub, PyCharm, WebStorm, Amazon Web Services, Visual Studio Code