Cairo, Egypt
+20 100 179 6904

Nader Abdalghani

github.com/naderabdalghani
naderabdalghani@outlook.com

WORK EXPERIENCE

Software Engineer   **FrontStory**   **February 2022 – Present**
- Maintained a Django-based campaign creation tool launching 100K+ ad campaigns annually across five Demand-Side Platforms (DSPs)
- Leveraged parallel processing to reduce creatives processing times by 60%, eliminating request timeouts
- Integrated 2 additional DSP APIs, expanding campaign reach and diversification
- Launched a React Native app for a WordPress news site (270K+ unique monthly visitors) with infinite-scroll feeds and AppsFlyer, OneSignal, Google AdMob, and Taboola integrations to boost revenue

Freelance Software Developer   **(8 Short-term Projects)**   **May 2019 – January 2022**
- Earned "Top Rated" status with 100% Job Success and Client Recommendation scores on Upwork for delivering 8 short-term projects using Python, React, and Google Apps Script for multiple clients
- Built a financial analysis system using Google Apps Script for a large-scale content publisher, optimized it under Google Sheets constraints

PROJECTS

FrontStory Campaign Creator Rebuild   **Serverless Stack Toolkit (SST), AWS, React**
- Re-engineered an in-house ad campaign creation tool using a TypeScript SST monorepo for serverless scalability, single-source-of-truth, and global type safety
- Ensured data integrity through full-stack data validation, robust exception handling, hierarchical role-based access control, and secure auth flows via Amazon Cognito
- Delivered a responsive UI featuring dynamic, dependent, and async forms, streamlining the campaign creation process
- Designed for code reusability and extensibility, enabling seamless integration of new ad platforms

project rev   **PyTorch, Google Cloud Platform (GCP), 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 $60K 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

EDUCATION

B.Sc. in Computer Engineering   **Cairo University**   **September 2016 – May 2021**

TECHNICAL SKILLS

Programming Languages
- JavaScript, TypeScript, C++, Python, SQL

Frameworks & Libraries
- React, React Native, Redux, Django, jQuery, Serverless Stack Toolkit (SST), AWS SDK, AWS CDK

Tools & Services
- Git, GitHub, PyCharm, WebStorm, Visual Studio Code, Cursor
- Amazon Web Services (AWS): DynamoDB, Lambda, S3, Cognito, API Gateway