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WORK EXPERIENCE

Software Engineer – Remote Contract	FrontStory – Tel Aviv	February 2022 – Present
<ul style="list-style-type: none">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 timeoutsIntegrated 2 additional DSP APIs, expanding campaign reach and diversificationLaunched 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
<ul style="list-style-type: none">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 clientsBuilt 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
<ul style="list-style-type: none">Re-engineered an in-house ad campaign creation tool using a TypeScript SST monorepo for serverless scalability, single-source-of-truth, and global type safetyEnsured data integrity through full-stack data validation, robust exception handling, hierarchical role-based access control, and secure auth flows via Amazon CognitoDelivered a responsive UI featuring dynamic, dependent, and async forms, streamlining the campaign creation processDesigned for code reusability and extensibility, enabling seamless integration of new ad platforms	
project rev	PyTorch, Google Cloud Platform (GCP), Natural Language Processing (NLP)
<ul style="list-style-type: none">Conducted research, designed the architecture, and led a team of four in developing a five-module, audio-interactive, personalizable chatbot	
Nabd	React Native, Redux
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
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TECHNICAL SKILLS

Programming Languages	
<ul style="list-style-type: none">JavaScript, TypeScript, C++, Python, SQL	
Frameworks & Libraries	
<ul style="list-style-type: none">React, React Native, Redux, Django, jQuery, Serverless Stack Toolkit (SST), AWS SDK, AWS CDK	
Tools & Services	
<ul style="list-style-type: none">Git, GitHub, PyCharm, WebStorm, Visual Studio Code, CursorAmazon Web Services (AWS): DynamoDB, Lambda, S3, Cognito, API Gateway	