

Ahmad Sameh

SOFTWARE ENGINEER

Maadi, Cairo, Egypt

+20 1111213009 | ✉ ahmad.sameh.elsayed@gmail.com | 📱 ahmad-sameh-elsayed

Work Experience

Microsoft

Cairo, Egypt

SOFTWARE DEVELOPMENT ENGINEER II - CLARITY FOR MOBILE APPS

July 2022 - Present

- Developed a tool that injects Clarity for Mobile Apps SDK into any app installed on test devices, reducing time to deploy/test changes from hours to ~3 minutes and decreasing release bugs by 40%
- Developed a Google Play Store analysis tool which downloads & analyzes APKs to obtain info (ex: API Versions, Library dependencies, market shares, etc.). The tool processed 40% of the store (as of writing)
- Delivered multiple SDK features (ex: masking sensitive data, compressing application assets, and collecting complex user gestures)

incorta

Cairo, Egypt

SOFTWARE ENGINEER - ENGINE TEAM

April 2020 - June 2022

- Had a major role in delivering the Schema Update Revamp Project by gathering the needed requirements, filling gaps in original design, implementing core structure, and solving 40% of in-development bugs & 30% of after-release bugs
- Developed a complete testing pipeline for formulas to detect bugs, errors and problems before fixes/updates reach the customer. The testing pipeline preemptively caught 1 fatal bug, 4 critical bugs, and 36 minor bugs

:) Affectiva

Cairo, Egypt

DATA ENGINEER - PLATFORM TEAM

Aug 2019 - April 2020

- Optimized the data ingestion/processing pipeline to save 60% time taken to ingest data
- Made multiple utility tools that help with visualisation, analysis and processing of datasets/studies
- Made custom analysis protocols on multiple datasets/studies
- Developed a "Data-Split" tool to split data into training, validation & testing sets. This tool reduced time taken in data preparation by 40%
- Worked on the central database cleanup to cut query times by 20% and space by 50%

Zewail City of Science and Technology

Cairo, Egypt

TEACHING ASSISTANT

September 2020 - June 2022

- Revamped Big Data Analytics projects to have real use cases with large amounts of data (ex: League of Legends match data, Reddit user comments, Twitter posts/tweets)
- Helped setup a high-performance distributed cluster lab
- Instructor for Big Data Analytics - Fall 2020, Fall 2021
- Instructor for Computer Vision - Spring 2020, Spring 2021, Spring 2022

Education

Faculty of Engineering, Cairo University

Cairo, Egypt

B.E. IN COMPUTER ENGINEERING

Sept. 2014 - Jul. 2019

Graduation Project

Cairo, Egypt

FAKARNY

Sept. 2019 - Jul. 2019

- A digital mobile assistant that helps users remember faces, meetings, events and contacts through computer vision & natural language processing techniques

Skills

DevOps AWS, Azure, Docker, Terraform, Jenkins

DataOps Spark, Hadoop, HDFS, Presto

Back-end ASP.NET, Spring, Flask, Express

Programming Java, Python, C#, Node.js, Kotlin, SQL, \LaTeX

Languages English, Arabic