Giza, Egypt

Tasneem Toolba

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EMPLOYMENT

Android Developer	**EFinance (Egypt)**	**Sep 2023 - Current**

- Developing mobile applications using the latest technologies in native Android.
    - Maintaining legacy Android projects
    - Develop new Android projects(for example this) using the latest libraries such as Retrofit, Dagger Hilt, and a well-structured code for POSs
    - Maintain water, gas, and electricity POS' C/C++ libraries and their integration with Android apps
    - Integrate Payment gateway and ECR protocol in the developed mobile apps using both soap messages and rest APIs

Flutter Developer	**Hello Move(Netherlands)**	**Spring 2022 - Spring 2023**

- Developed and maintained the company's service: available on (App Store, Google Play, & App Gallery).
    - Use rest APIs to manage data in the app, GitHub Actions to auto-deploy the app to Google Play
    - use the latest state management apps like blocs for state management

Flutter Developer	**Freelancing(Russia)**	**Jan 2022 – May 2022**

- Worked as a freelancer Flutter Developer, where I built a sip app, wrote tests and built other projects.
    - Develop campaign ads app that's similar to TikTok, Use Firebase Crashlytics

Flutter Developer	**DevStack(Russia)**	**Mar 2021 – Dec 2021**

- built various Flutter applications, utilizing Firebase apps and Django for the backend.
    - integrate Google Maps, utilize Firebase and Firestore, integrate NFC detection and face detection

Problem-Solving Coach	**SOI2020(Saudi Arabia)**	**Sep-Dec 2020/June-Aug 2023**
	EOI2020-EOI2023(Egypt)	

- Taught school students the fundamentals of C/C++, Competitive programming, and algorithms and data structures and preparing them for the Informatics olympiads

EDUCATION

Innopolis, Republic of Tatarstan	**Innopolis University**	**Fall 2019 – Jun 2023**

- B.S in Computer Science (GPA 4.5/5)

TECHNICAL EXPERIENCE

Projects

- **Compiler: worked on and led a** compiler project for a functional programming language, utilizing C/C++.
- **Digital Library:** a digital library where you can keep courses' content(text or video form) online
- **InnoTutor:** a cross-platform application that manages a tutoring program in which students offer to tutor in subjects they're proficient in and get paid in the university's digital currency (used by other websites in sync).
- **FinnData:** a stock app that allows you to search and receive information about stocks: flutter.
- **RecipeSearch:** An app that helps you to find cuisine recipes; the Frontend was in **Typescript**, **React**

ADDITIONAL EXPERIENCE AND AWARDS

- **Top 5 in the TV program "Cairo Innovates" in 2019.**
- **Golden medalist in EOI2017:** Top 4 in Egyptian Olympiad Informatics.
- **First place in RoboGames 2017 in Egypt.**

Languages and Projects

- **Haskell:** untyped expressions, functions, and nameless representation,
- **Python(Backend/Django, & web3/blockchain):** DynamicNFTMinterBot, DjangoProject, PrayerBot, Digital Library, Databases.
- **C/C++:** Compiler, Operating Systems, Matrix Fraction,
- **iOS/Swift:** Habits, toDoList, DataCollection, AnimalKingdom, iOSFundamentals
- **Flutter/dart:** WeatherApp, FormApplication, CleanHabits, OnlineChatRoom, FinnData, ChuckNorris
- **DevOps(K8s, Terraform, Vagrant, Docker, & monitoring):** Best Practice