Software Developer

Java \ Python

**Tamir Kariv**

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https://github.com/TamirKariv/

**Summary**

* **2+ years** of experience as a **Software Developer** with expertise in **Java** and **Python**
* Hands-on experience with **Python**’s frameworks such as **Pandas** and **Numpy**
* **Designed** and **developed** an **Android app** that enabled instant messaging and data transfer between devices using local communication technologies like Wi-Fi and Bluetooth.
* Knowledge of **C**, **C++**, **C#**, **SQL,** and **MySQL.**
* Well-familiar with modern **Agile** methodology, working in **Linux** environment, and version control systems such as **Git.**
* Experienced in network communication protocols like **TCP/IP** and familiar with **CI/CD** processes and **Jira**.
* Familiar with **Docker** and **Kubernetes** - **K8s**.
* Competent at working independently as well as in a team.
* **B.Sc.** in **Computer Science,** Bar Ilan University
* **English -** Full Professional Proficiency

**Experience**

2021 - present **Software Developer**, LongNet (Startup)

* **Designed** and **developed** an **Android** app that utilized local communication technologies such as **Wi-Fi** and **Bluetooth** to enable instant messaging and data transfer between devices. It was built using **Java**.
* The app included a variety of features, such as **real-time polling activities** that leveraged local communication capabilities to provide users with **immediate results** and insights. In addition, the app incorporated in-app purchases to provide users with **premium features** or content.
* **Developed** a **Python-based** service utilizing a scheduler to seamlessly interact with nearby devices, gather polls, analyze data, and display real-time results.
* Implemented a **robust system** for efficient data collection and analysis while integrating communication protocols in a **Linux environment**.
* **Developed** comprehensive test plans and executed test cases to ensure the quality and functionality of an **Android app**. Used **JUnit** and **Espresso**.
* Leveraged **SQLite** in an **Android** app for data mining user actions, enabling the collection, storage, and analysis of user interactions, preferences, and behaviors to uncover valuable insights, enhance personalization, and optimize the user experience.

**Education**

2017 - 2020 **B.Sc. in Computer Science**, Bar Ilan University, GPA - 83

**Projects**

**Digital Drawing Platform** **Project - Java**

* Final Year Project
* Created an **interactive digital drawing platform** (**Android**) for Sheba Medical Center
* The platform tests the motor skills of multiple sclerosis patients.
* Developed with: **Java**
* Link: *https://github.com/TamirKariv/Hospital-Project*

**Flight Gear Web App Project - C#**

* The application shows the flight path of the FlightGear simulator
* Developed with: **C#**, **RestApi**, MVC
* Link: *https://github.com/TamirKariv/Flight-Gear-Web-App-MVC*

**Flight Gear Desktop App - C#**

* A WPF Desktop App to control the FlightGear simulator via manual controls and autopilot.
* Implemented with the **MVVM** Architecture.
* Developed with: **C#**
* Link: *https://github.com/TamirKariv/Flight-Gear-Desktop-App-MVVM*

**Skills**

* **Java** and Kotlin (Native **Android development**)
* Web Development (**MongoDB**, **Express**, React, **Node** - MERN stack)
* **Python** (AI, Machine Learning and Robot Operating System - ROS) **C, C++, C#** (WPF) **Linux** Source Control (**Git**) **Docker** and **K8s**
* Network/Communication - **TCP/IP**
* **CI/CD, Jira**
* **SQL (**MySQL, Android SQLite and PostgreSQL)
* OOP, Multi-thread programming

**Military Service**

2012 - 2015 NCO at the Consultation on Palestinian Affairs Department, Coordinator of Government Activities in the Territories (COGAT)

* Gathered and organized information for the unit, formulating situation assessments.

**Languages**

**Hebrew** - Native | **English** - Fluent