

Karam Yaaqba

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EXPERIENCE

eKitabu – Nairobi, Kenya

Feb 2020 - Present

Software Engineering Consultant

- Building website to manage smart devices in schools, using .Net and C# for backend development and Angular 2+ for frontend. Built an Android App to add and manage smart devices in school. Used an already built library to scan and collect data from barcodes and QR codes. Frontend is java, and .Net was the choice to build the backend with Postgres as DBMS.
- Developing a book recommendation engine to suggest books to encourage reading more among the youth. Still in the initial phase of collecting data and storing it in Azure Cosmos DB.

Microsoft – Seattle, USA

July 2019 - Dec 2020

Cloud Architect Fellow

- Worked with eKitabu to automate server wrapping and delivering. Used Hashicorp Terraform to speed up their process and eliminate any manual configuration to provide new servers for the targeted communities.
- Developed software for AirJaldi to track latency for their routers in India and alert them to issues. Used C# to ping all routers on the network to notify admins if any router is down, also store ping response data on Azure Cosmos DB to be used in the future to build a smart alert system.

iConnect Technologies – Ramallah, Palestine

July 2011 - July 2019

Senior FullStack Developer

- Built an Android mobile app that helps on-site nurses examine and diagnose patients. The software is integrated with a legacy system, and stores data in both systems. Built a converter to pull a version of data from server data to store it on a local device, that includes converting MS SQL DB to SQLite.
- Developed an authenticator mobile application to enhance security for clients and as part of their branding process. Native technologies included Swift for iOS and Java for Android and it is available on both app stores. .Net C# was used in the backend and Firebase to send notifications to users, and store some data.
- Worked on a WPF/Silverlight call center that organizes calls between nurses and assists them during the call. .Net and C# were used to build the frontend using Silverlight technology.

Freelancer

Jun 2017 - July 2018

Mobile Developer

- Developed a mobile application ["Mecca Center"](#) for iOS and Android using Swift and Java.

TECHNICAL SKILLS

Programming Languages: C#, Java, TypeScript, Python

Frameworks: .Net/ .Net Core, Azure

Database: MS SQL, MySQL, Postgres, Cosmos DB

EDUCATION

University of Birmingham, UK — MSc Robotics

October 2014 - July 2016

Studied Robotics with software such as SLAM and ROS, as well as machinery and kinematics. Master's thesis included enhancing the leading robotics team in Europe (STRANDS), vision algorithm.

Arab American University, Palestine — BSc Computer Information Technology

September 2007 - July 2011