ZIAD JANPIH

CONTACT

Sex   Birth Date   24/08/1990

SKILLS

Data Analysis

Tableau Spark Data Warehouse
Hadoop ETL Data visualization

Software Development

Java C# Node.js JavaScript
Python ASP.Net C++
CSS, HTML, JQuery Design patterns
Oriented-object programming

Database Tools

PL/SQL SQL Server Postgre SQL
MongoDB Cassandra Neo4j

LANGUAGES

Arabic — Native
English — Proficient
German — Intermediate
Italian — Intermediate

EDUCATION

Genoa University (Italy)

Nov-2022 - Present
Ph.D. Student, curriculum of Computer Science

Genoa University (Italy)

Sep-2019 – Oct 2022
Master's in computer science, curriculum of Data Science and Engineering (distinction and honors)

Damascus University (Syria)

Sep-2009 – Feb-2016
BS, in ITE: Information Engineering (Software Engineering).

WORK EXPERIENCE

Senior Software Engineer

Easysoft

📅 09/2018 - 09/2019   📍 Lebanon

Easysoft is a software publisher and developer that offers solutions targeted to mobile activities and operation.

- Training & supervising new developers.
- Development & maintenance of mobile applications with android (Java, Kotlin) using android studio.
- Development web applications with C#, ASP.net , data entity framework and SQL server Database using Microsoft visual studio and Microsoft SQL server management studio.

Android developer and system analyst

SAMTECH

📅 2017 - 2018   📍 Lebanon

SamTech is a small organization that provides accounting software and stock management systems for markets and stores.

- Development & maintenance of mobile applications with android (java) using android studio.
- Development windows desktop applications with visual basic , VBA and Microsoft access database using Microsoft visual studio.

Database Developer (Interconnect & Roaming Billing Specialist)

Syriatel Mobile Telecom (MIS Department)

📅 2015 - 2016   📍 Syria

Syriatel leads the Syrian mobile telecommunication market since 2000.

- Designing different innovative programs and making sure to apply it in a good manner.
- Telecommunication services for foreigners in Syria and Syrians abroad Syria.
- Preparing Configuration for the new projects and systems using PL/SQL and Linux scripts.
- Preparing and executing reports, statistics and queries using PL/SQL and Microsoft Excel.
- Implementing the new offers and products.

ACADEMIC PROJECTS

Master Thesis

Non-discriminating Data Transformations by constraints optimization:

The main focus of my Master thesis is to design and implement an approach for rewriting data transformations into the closest ones that guarantees the satisfaction of specific non-discrimination constraints, representing coverage and fairness guarantees. The problem is modeled as a constraint optimization problem and constrained-optimization solvers can be used for detecting the solution.

Master Projects

IOT Project :

- The goal of the project is designing a prototype of an indoor contact tracing system to be used to produce an estimation of the number of people inside a building with real-time monitoring and collect data for historical statistics on the usage of the different parts of the building.
- Used technologies: C#, ASP.Net, Java script, Data Visualization, Node.Js and Spark.

Advanced Data Management Project :

- The goal of the project is designing and development of the large-scale data management/data processing layer for E-Commerce application relying on NoSQL Data system.
- Used technologies: MongoDB, Cassandra and Neo4j.

Data Warehousing Project :

- The goal of the project is to build and develop a data-warehouse for a specific company.
- Used technologies: Postgre SQL, Tableau, Spark, Hadoop and SSIS for ETL.

Bachelor Projects

E-Government :

- The goal of the project is designing and develop a web-based application for providing E-Government services
- Used technologies: Java, J2EE, Servlets, JDBC, Java Script and Eclipse.