# Marco Antonios

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## Professional Summary

Motivated **Software Engineer** with expertise in mobile app development, backend engineering, and data processing. Proficient in **Flutter**, **Go**, **Angular**, and database systems like **MongoDB** and **Neo4j**. Experienced in integrating APIs, implementing security measures, and deploying applications on **AWS**. Fluent in English and French; native Arabic speaker.

## Skills

- **Languages & Frameworks:** Dart (Flutter), Go (Gin&Gonic), Java, TypeScript(Angular), C++, Python, HTML, CSS, ARM assembly code

- **Data Processing:** Apache Flink, Kafka

- **Databases:** MongoDB, Neo4j, Cassandra, MySQL, Oracle SQL

- **Cloud & DevOps:** AWS EC2, CI/CD (GitHub Actions), Docker

## Experience

**LEAD DEVELOPER, DOLFINS PLATFORMS, INC; DELAWARE, UNITED STATES – 2023-PRESENT**

- Developed a restaurant reservation app using **Flutter** and **Go.**

- Implemented real-time data processing with **Apache Flink** and **Kafka**.

- Managed databases: **MongoDB** for user data, **Neo4j** for relationships, **Cassandra** for logging.

- Integrated **Google Maps** and **Matrix API** for location services.

- Ensured data security by implementing **AES encryption** for sensitive user information.

- Deployed services on **AWS EC2/ECS** with **CI/CD** automation.

**CONSULTANT - SOFTWARE DEVELOPER, GUADA .AI; BEIRUT, LEBANON – 2021-2023**

- Built cross platform apps using **Flutter**, **Angular**, and **Go**.

- Delivered customized solutions and consultancy projects, including:

  1. Evaluating organizations' digital status and recommending tailored transformation plans.

  2. Assessing IT infrastructure, data quality, and security compliance.

3. Proposing strategies for unified platforms, referral systems, and cost-benefit analyses.

4. Facilitating workshops and delivering detailed reports for operational improvements.

**FREELANCE DEVELOPER; BEIRUT, LEBANON – 2020-2021**

- Focused on both frontend and backend app development using **Flutter**, **Go**, and **MongoDB**.

- Contributed to various applications, enhancing backend efficiency.

## Education

Antonine University, Baabda, Lebanon – Software Engineering, 2024

- **Final Year Project:** Developed an autonomous drone delivery system using **Raspberry Pi** for high-level control and **Arduino** for low-level flight control.

## Certifications & Trainings

- Detected and reported a major bug in the **Anghami** app.

- Only student to successfully develop and complete a mobile calculator app in grade 10 workshop.

- Created educational computer viruses in grade 8 to raise awareness about cybersecurity.

- Learned **Linux** and hacking fundamentals in grade 7, gaining early exposure to system administration and security.

## Additional Information

- **Volunteer Experience:** Supervised activities and supported children with special needs at a summer camp (2016–2017).

- **Interests:** technology and sports like swimming and skiing. I also enjoy paintball, laser tag, and challenging myself in various ways.