MOHAMAD **BAALBAKI**

BACKEND SOFTWARE ENGINEER

EU Permanent Resident (eligible to work without sponsorship) │ Soggiornante di Lungo Periodo UE (idoneo a lavorare senza sponsorizzazione)

🏠 Milan, Italy

✉ baalbakim21@gmail.com

🔗 https://mohamadbaalbaki.com

ONLINE PROFILES

in @mohamadbaalbaki

○ @MohamadBaalbaki

SKILLS

- **Advanced**: Node.js/JavaScript/TypeScript, Python, MongoDB, SQL, Jest, HTML, CSS, GIT, REST API, GraphQL, Docker, Microservices, Heroku
- **Intermediate**: Java, RabbitMQ, Red Hat OpenShift, React, AWS, Kubernetes

LANGUAGES

- **Native**: Arabic
- **Fluent**: English, Italian, French
- **Intermediate**: Portuguese

COURSES

- Application Development using Microservices and Serverless (IBM)
- Introduction to Containers w/ Docker, Kubernetes & OpenShift (IBM)
- Make a GraphQL Server with Express.js (Coursera)
- Build and Implement Microservices Patterns (NIIT)
- AWS Cloud Technical Essentials (AWS)
- Developing Back-End Apps with Node.js and Express (IBM)

MEMBERSHIPS

- Member of the Alumni Farnesina Network at *"Farnesina/MAECI"* (since December 2023) - Italy
- Member of the Erasmus Student Network at *"Universidade do Minho"* (from September 2016 to July 2017) - Portugal

EDUCATION

POLITECNICO DI MILANO
Feb. 2020 - Mar. 2022
Professional Master's degree in Digital Technologies for Innovation (organized by Deloitte), Milan - Italy
- GPA: 110/110

UNIVERSITÀ DEGLI STUDI DI TRENTO
Sept. 2018 - Mar. 2020
MSc. in Human-Computer Interaction, Trento - Italy
- GPA: 110/110
- Granted a full scholarship by the *Italian Ministry of Foreign Affairs (MAECI)*
- Ranked top in Lebanon for the 2019-2020 intake

UNIVERSIDADE DO MINHO (ERASMUS MUNDUS EXCHANGE)
Sept. 2016 - July 2017
BSc. in Computer Science, Braga - Portugal
- Granted a full scholarship by the EU's "*Erasmus Mundus Association (Peace 2 Project)*"
- Bachelor's thesis: "*Tackling Byzantine Fault Models using Accountability*"

BEIRUT ARAB UNIVERSITY
Sept. 2014 - Jun. 2018
BSc. in Computer Science, Debbieh - Lebanon
- ABET Accredited Degree (the top Computer Science accreditation body in the world)

EXPERIENCE

LEITHÀ (UNIPOL ASSICURAZIONI)
Since July 2023
Backend Software Engineer, Milan - Italy
- Developing InsurTech backend applications and APIs, primarily using TypeScript, Node.js, and Python

SAS INSTITUTE
Mar. 2023 - July 2023
Software Developer, Milan - Italy
- Contributed to the development of SAS Viya, an AI and analytics platform, using JavaScript and React

DELOITTE
Feb. 2020 - Feb. 2023
Consultant & Full-Stack Cloud Developer, Milan - Italy
- Developed Full-Stack Cloud applications on Salesforce and Heroku using JavaScript/Node.js, and Apex

FONDAZIONE BRUNO KESSLER (FBK)
Jun. 2019 - Mar. 2020
Intern in Software Development, NLP & Machine Learning, Trento - Italy
- Contributed to the development of the EU's HATEMETER platform (Java, JavaScript, jQuery, NLP)
- Master's thesis: "*Automatic Classification of Arabic Tweets to Identify the Perception of Arabs on Migration to Europe using Social Media Monitoring and Natural Language Processing*"
- Built a Java program to process tweets & trained ML models with Python

PERSONAL PROJECTS

2KWiz
Since Jun. 2024
Milan, Italy
- Developed **2KWiz**, the first free NBA player finder with NBA 2K attributes & real-time stats filtering, sorting, searching & detailed player info: **Video Demo**
- **2KWiz** has **hundreds of daily users** and has been featured in 2 articles (**1**, **2**) by **NBA** journalist Kevin McCormick in **Sports Illustrated**, the most iconic sports magazine in the world
- Tech stack: MERN (Node.js, Express.js, React, MongoDB), Netlify, Heroku

arabize
Aug. 2023
Milan, Italy
- Developed **arabize**, an open-source npm package and the first Node.js API wrapper for Yamli's Latin-to-Arabic transliteration engine
- Tech stack: Node.js