Patrik Brighenti

Software Developer |System Engineer

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Address: 24 i Ca' de' Cessi Street,
Sabbioneta (Mantova), 46018
Date of Birth: 05/09/1999

https://github.com/BrighentiPatrik

Skills

PROGRAMMING LANGUAGES
- C/C++
- C#
- Python
- Java
- Javascript/Typescript
- Bash
- T-SQL | PL-SQL

TECHNOLOGIES & TOOLS
- Docker
- NodeJS
- Git
- MQTT
- REST

Professional Expériences

Knapp Italia s.r.l | Jan 2024 – Present
Sedico, Belluno, On Site
LOE – Logistic Operation & System Engineer at
EssilorLuxottica plant
Improve the efficiency of the logistics system through data analysis, bug fixes and WMS code changes.
- **C++** (WMS/WCS)
- **PL/SQL** (Oracle DB)

Replica Sistemi Spa, Zucchetti | Jul 2023 – Nov 2023
Curtatone, Mantova, Hybrid
Junior Database Developer
- Development of Desktop Application in **C#** with **.NET** Framework v4.8 for updating the DB and manipulating DB objects.
- Writing of Stored Procedure, View, Trigger and Function in **T-SQL** for **SQL Server** 2022.
- Customizing reports with SQL Server Reporting Services 2022.

Fabbricadigitale s.r.l | Jul 2022 – Jul 2023
Casalmaggiore, Cremona, Full Remote
Junior Backend Developer
- Development of backend microservices in **Javascript/Typescript**
- Changes to the **Java** application that synchronizes meetings created by customers with the company database.
- Creation of plugins in Java to manage hardware devices in customer meeting rooms. Sensors, LEDs and Monitors that communicate via the **MQTT** protocol.

Education

Master Degree – Computer Engineering
University of Modena and Reggio Emilia
Sep 2023 – **Present**
Curriculum**: Cloud and Cyber Security**

Bachelor Degree - Computer Engineering
University of Modena and Reggio Emilia
Sep 2019 – Apr 2023
Final Grade: **103/110**
Location: Mantova
Orientation: **Industry 4.0**
Course that explores topics in depth of Computer Engineering integrated with those of Industrial Engineering.
Characteristic exams of the course:
- Cyber-physical Security
- Industrial Informatics
- Intelligent Internet of Things
- Machine learning
- Artificial Vision
- Smart Design
- Logistic and Industrial Management

Technical Institute Diploma in the Technological Sector, Computer Science and Telecommunications
E. Fermi Higher Institute, Mantova
Sep 2013 - Jul 2019

Languages

- Italian – Native Speaker
- English:
    - Writing: B2
    - Reading: B2
    - Listening: B2
    - Speaking: B1

Certifications & Awards

- **Mathematics teacher** for high school students as part of the volunteering project "**Volontari per l'educazione**" by **SaveTheChildren**
- Ranked **10th** in the **national team olympics** in computer science of the year 2016/2017 in the team Fermi++
- **Driving License**: category B