Fadi BSAYSSA

IIoT Consultant | MES & Industry 4.0 Specialist

Https://www.linkedin.com/in/fadi-bsayssa

Fadi.bsayssa@enis.tn

https://github.com/Fadi-BSAYSSA

+216 28208971

PROFILE

I'm a trilingual and versatile engineer passionate about digital transformation in manufacturing environments.
I'm now seeking new Industry 4.0 projects in MES, ERP, PLM, CMMS or Automation to further develop my skills and make a meaningful impact.

LANGUAGES

- French : Fluent
- English: Fluent
- Arabic: Native
- German: Basics (A1)

SKILLS

- Python, JavaScript, HTML, XML
- TCP/IP, REST API, OPC UA, Kafka, MQTT
- TLS, SSL, SASL, Sophos, telnet
- JIRA, BCS Ticket System, SharePoint
- Postman API, Selenium, Mocha
- iTAC Software MOM Suite (MES, MOM, HMI, Shipping, Repair, ERP, MSL, SCT, IIoT Edge..), SAP (ERP MM), CMMS, Cogiscan IIoT platform, Siemens Tia Portal, Scada
- LDAP Admin, AD, OPC UA Services
- VS Code, GitHub, AppSmith, NodeJS
- Oracle SQL Developer, Data Interfaces, Adapters, Transfer Tables, Buffers
- Bomgar, UA Expert , WinSCP
- Industry 4.0, Manufacturing, SMT Process, QM, PM, APS, Kaizen, GMP

PROFESSIONAL EXPERIENCES

JOB2NEXT

Business Developer | Freelance (Part-Time) Feb 2025-present

- Developing prospection strategies to expand JOB2NEXT's business.
- Representing JOB2NEXT for industrial companies.

Innova Power Concept: Service Partner of iTAC Software AG

MES Application Engineer, MES consultant | On site (Full-Time) Aug 2023 – Sep 2024

Member of the Rolling Support team – IPC | iTAC Professional Services EMEA-DACH:
- Provided daily consulting and Level 1–2 on-call functional and technical support to iTAC customers, processing over 70 BCS/JIRA tickets.
- Led the OPC UA project for Valeo Rio Bravo and the Supply Chain Traceability (SCT) project for Gentherm Prilep & Shenzhen.
- Configured and customized the iTAC MOM Suite: Workplace, Cloud plugins, ERP, HMI, Supply Chain Traceability (SCT), and IIoT platform according to project specifications.
- Developed and tested IMS_API custom functions in JavaScript based on the SMT process workflow, from PCB handling to the shipping station (Setup Materials, WO, BOM, WP, MM, Interlocking, KPIs, etc.).
- Supported Go-Live sessions with customers by providing trainings and ensuring seamless MES integration on the shop floor by configuring iTAC MOM connections to Oracle DB, SAP (via IDOCs), SMT stations (Panasonic, ASM, PLC, BDtronic) via OPC UA services, data interfaces or .NET DLL, Active Directory (LDAP), and Cloud Solution.
- Assisted in the development of low-code interfaces for Work Order Management and ADM module powered by AppSmith.
- Prepared MOMs, RFQs, RFPs, technical specifications, test reports, and escalation reports.
- Coordinated with customers, partners, machine providers, and SAP | AD | ERP teams.

Customers: Abbott Diabetes Care (Ireland), Valeo (Martos, Veszprém, Rakovník, Rio Bravo, Sainte-Florine, Wemding), Gentherm (Shenzhen, Prilep, Vietnam), Napino (India), Magna (Sweden), Brose (Belgrade, Canada), Schneider Electric (France, India).

CAVEO Automotive.SA

Intern – Final Study Project | Feb 2023 – Jun 2023

Smart Manufacturing and IIoT Implementation for NHK Assembly Line
- Conducted a statistical performance study using Control Statistical Process (CSP) method and ISHIKAWA diagrams to identify root causes of inefficiencies in the production line.
- Contributed with the UAP2 team to the design of Scada HMI dashboards for Load Test station to visualize cycle time and machine downtime.
- Developed and integrated Python scripts using Pandas Libraries for backend data extraction and manipulation from CSV files to support APS internal module.

Ansaldo Energia

Intern | Jul 2022 – Aug 2022 & Aug 2021

- Configured and used CMMS API Pro Open 7 in 4000MW Combined Cycle Power Plant

EDUCATION

National Engineering School of Sfax EUR-ACE [R] **|** Jun 2023

Master degree in Electromechanical Engineering
Graduated with honors, Specialized in Production and Industrial Automation

CERTIFICATES

- MQTT v3.1.1 Professional, HiveMQ University
- Python for Serverless applications and automation on AWS
- Setting a Foundation for Successful Test Automation, Test Automation University
- Exploring Service APIs through Test Automation, Test Automation University
- Mocha JavaScript Test Framework, Test Automation University
- Project management and Leadership, JCI Djerba Midoun

EXTRACURRICULAR ACHIEVEMENTS

- JCI Djerba Midoun Membership, 2016 - 2017
- Selected in 2012 to join the South Region Training Center of the Tunisian Football Federation, chosen among 21 out of 200 candidates.
- 4-Time Champion of the Youth South-East Football League with Espoir Sportif Djerba Midoun Football Club.