



Mostafa Najim

<https://mostafanajim.com>

Profiles

[in](#) [Mostafa Najim](#)

Summary

Throughout my ongoing journey in the engineering world, I tackled different fields and majors, and I am dedicating my efforts now to push forward young students and engineers to excel in their careers, be it through my community work at Hogwarts of Engineers or my main Job as Projects Manager at Pioneers Gate.

Experience

Trindel Arabia **10/2022 -**
Technical Manager Hybrid - Riyadh

- Leading the digital transformation of the businesses within the holding.
- Proposing new management methodologies to optimize the workflow.
- Develop Internal Policies.
- Developing product authenticity check system for the cosmetics business.
- Developing automation processes to expedite the delivery of packages and eliminate the human error margin in the ecommerce business.
- Managing the control department in the lighting business.
- Setting up the internal IT platforms to run multiple businesses.
- Setting up the IT department to serve multiple businesses within the holding.
- Deploying a unified ERP platform for the holding.
- overseeing all software development throughout the holding.
- Acquiring new technologies and leading the adaptation process among all employees.

Pioneers Gate **01/2020 - 10/2022**
Projects Manager

Managing multiple projects in the educational technology field. * SchoolBoard: is an online platform for complete school management. a 2-year-old project that I started from scratch, building the Development team, sales, marketing, and design departments. * STEM Programs: given my extensive experience in educational robotics, STEM programs plan to integrate Science, Technology, Engineering, and Mathematics into the current educational systems.

Al-Kafaat University **02/2018 - 01/2021**
Robotics and AI Instructor

Instructor of different courses for the computer science department: Programming 101 - Mobile Robotics - 3D modeling - Artificial Intelligence - Final Year Projects Supervisor.

DTC **06/2017 - 05/2018**
Robotics Academy manager

Founded and managed Robotics Academy at Developed Technology Center - Saida providing different levels of VEX Robotics courses and trending technologies workshops with a team of skilled engineers.

Advanced Building Technologies **01/2016 - 12/2019**
Automation Engineer

Design, Installation, and Programming of Building Management Systems to monitor and control different buildings and facilities. (More details in the Projects section)

Beirut Arab University **07/2015 - 05/2021**
Mechatronics Instructor

Developed and delivered mechatronics courses for mechanical engineering students. Mechatronics, Robotics, Measurement and Instrumentation, Thermofluid Lab)

Ideation Invest **02/2014 - 01/2015**
Prototyping Engineer

* Worked on designing and prototyping different machines, starting with 3D modeling using CAD software, machining using the latest technologies back then like CNC and Laser cutters. Also worked on designing and implementing the electronic circuits of such machines. * Projects: custom-built ATM machine for custom Mall Currency - Smart Smart piggy bank that can count the kids' money and linked to the internet - different types of vaults mechanisms.

TechnoFuture Lebanon **07/2013 - 12/2019**
VEX Robotics Instructor / Judge

* Conducted Training of Trainers (ToT) on VEX Robotics platform for university teachers and Professors. * Part of the organizing committee and Head of Judges in the national events.

Makassed High School - Saida **01/2011 - 07/2012**
Robotics Instructor

founded and lead the robotics club, mentored a lot of projects that participated in national and international events.

Education

Beirut Arab University **2010 - 2015**
Mechanical Engineering Bachelor

Beirut Arab University **2018 -**
AI and Smart Control Systems Masters

Projects

Projects I have worked on as BMS engineer: -

Designed, commissioned and maintained

- Sama Marina Hotel (Morocco)
- Obaykan Mosque (KSA) * BANO Trading (Lebanon)
- Machmouchi Medical Warehouse (Lebanon)
- *Vertini Residential Building (Beirut-Lebanon)*
- Inkript (Bchamoun-Lebanon)
- Projects at American University of Beirut:
- Scientific Research Building
- Bechtel
- Charles Hostler
- West Hall
- College Hall
- DTS Building
- SLH Hall
- Bliss Chiller Plant
- Chemistry Building Chiller Plant
- New Women's Dorm Chiller Plant
- IOEC Building
- Masri Building

Hogwarts of Engineers **01/2017 -**
Community Contribution

This is my main contribution to the community of engineering. I founded Hogwarts of Engineers back in 2017 with the main purpose of "creating the wizards of the engineering world" since then I conducted a lot of trainings, workshops, lectures, events, and other activities to help engineers excel in their careers. there is no room to mention all the events here, but they can be found on our website and social media accounts.

إدارة الفعاليات والنشطة التفاعلية الذكية **12/2019**

Training of Trainers

<http://bit.ly/3ceOr4y>

Conducted a 4-day workshop with a section of the Dubai Government on implementing smart activities in the learning process at schools, including robotics, programming, and Virtual Reality.

Career Development Workshop with UNICEF **11/2019**

Community Contribution

The workshop took place at Al-JANA/ARCPA office which works with communities that face marginalization for building their strengths and empowering their experiences through creative ways and resources by and for youth. The topics discussed in the workshop were: - setting short term goals and long term vision for your career - time management techniques for best efficiency - Scientific analysis for the decision-making process. - tips and tricks for an appealing resume (CV). -Q&A session

VEX Robotics National Events **12/2013 - 08/2019**

Head of Judges and Referees

Member of the organizing committee as well as a Judge and Head Referee at the VEX Robotics national events in Lebanon.

First Mechatronics Competition at ULFGII **2018**

Robotics Judge

Participated as a Judge among the jury of the First Mechatronics competition organized by ULFGII at Palais Des Congrès- Dbayeh.

Robogames National Events **03/2017 - 08/2018**

Judge and Head Referee

Member of the organizing committee as well as a Judge and Head Referee at the Robogames national event.

Personal Portfolio & Youtube Channel -

Content Creation

<https://mostafanajim.com>

A complete reference to all my community work like Articles, tutorials, free courses, and webinars on Robotics, Mechatronics, Programming, Artificial Intelligence, and more trending technologies.

Solar Powered Lighthouse **04/2015 - 08/2015**

Renewable Energy

Designed and built a solar powered lighthouse at "zeeri" island facing saida city in Lebanon.

Skills

Administration and Management Skills

Team Building, Team Management, Recruitment, Agile Planning and Management, WaterFall Project Planning and Management, Budget Planning and Estimation, Managing Multiple Departments, Risk Management, Workforce Development, Digital Marketing Strategies, Marketing Funnels, Scrum Management, Customers Pipeline Management

Agile/Project Management Software

Jira, Trello, Asana, Microsoft Task Planner, Microsoft Project Planner

Programming

C Language, Python, LabVIEW, Simulink, Flutter, Tensorflow, Artificial Intelligence, Neural Networks, Image Processing

DevOps Skills

Docker, reverse proxy, VPN, github, containers, portainer, Version Control, CentOS CWP, Cpanel, WHM, Google Cloud, Linode, Cloudflare, Virtual Servers, VMWare ESXi, SSH, Putty, Permissions, DNS, phpmyadmin

Robotics Platforms

Arduino, Raspberry Pi, National Instruments, VEX Robotics, LEGO, Makeblock, Quanser, ESP Boards, Adafruit Boards, RF Modules, Custom Built 3D Printers, Custom Built Laser machines

Automation Platforms

Delta Controls, KNX, BACnet, MQTT, Internet of Things (IoT), ModBus, Artificial Intelligence, Tensorflow, Computer Vision, Open-Source Home automation, HIKVISION, CCTV, PLEX Media Server

IT & Infrastructure Skills

Linux OS, Cybersecurity Basics, Networking, Routing and Protocols, Server Setup and maintenance, Network Attached Storage, Load Balancing, Firewalls, Failover, Mikrotik, pfSense, DNS Filtering, Wireshark, CentOS, Ubuntu, Kali Linux, Mobile App Development, CCTV, Wordpress

System Administration

Moodle Administration, Wordpress Websites, Microsoft Office 365

Building Management Systems

I/O Summary, Point List, Panel Design/CAD Drawing, Panel Building, Panel Termination, Field Devices Installation/Termination, Panel Programming, BMS User Interface creation, BMS Maintenance/troubleshooting, Project Pricing

Academic Skills

Project-Based Learning, STEM Education, Curriculum Development, Science, Technology, Engineering, Mathematics, Educational Content Creation, Training of Trainers, Research and Development

fabrication and Prototyping

3D Modeling, 3D Printing, CNC Milling, Laser Cutting/Etching, Lathe operation, Electronic Circuits Prototyping, CNC Router, Wood Work, Autodesk Inventor, Autodesk AutoCAD, Fusion360, Blender, Ultimaker Cura, Simplify3D

Office tools

Excel, PowerPoint, Word, Outlook, Google Sheets, Google Docs, Google Slides, Google Forms

Photo/Video Editing

Adobe After Effects, Adobe Premiere Pro, Adobe Audition, Adobe Photoshop, Adobe Lightroom, Adobe XD, Final Cut Pro, Canva

Interests

Reading

Trending Technologies

Acquiring new skills

Career Development

Videography

photography

Certifications

Digital Marketing for SMBs Certification

Semrush 2022

Google IT Automation with Python Specialization: Specialization

Google 2022

Scrum Master Certification: Specialization

LearnQuest 2022

Google Project Management: Specialization

Google 2022

Agile Project Management

Google 2022

Linux Unhatched - Linux OS Basics

Cisco Networking Academy 2020

Social Media Marketing

HubSpot Academy 2022

VEXcode VR Educator Certification

VEX Robotics 2021

VEX V5 Workcell Educator Certification

VEX Robotics 2021

REC Certified Robotics Judge

Robotics Education & Competition Foundation 2021

VEX V5 Educator Certification

VEX Robotics 2021

enteliWEB Administration

Delta Controls Inc. 2016

The Fundamentals of Digital Marketing

Google Digital Garage 2021

Moodle Administration Basics

Moodle 2020

Hikvision Certified Security Associate Training - HCSA

Hikvision 2018

CISCO Certified Network Associate Exploration: Accessing the WAN

Cisco 2011

CISCO Certified Network Associate Exploration: LAN Switching and Wireless

Cisco 2011

CISCO Certified Network Associate Exploration: Network Fundamentals

Cisco 2011

CISCO Certified Network Associate Exploration: Routing Protocols and Concepts

Cisco 2011

CISCO IT Essentials

Cisco 2011

VEX Robotics Certified Trainer

VEX Robotics, Inc. 2013

Languages

Arabic

Native Tongue

English

Fluent