



PERSONAL INFORMATION

Name: Mohammad Nasser Kabajah.

Personal Website: <https://www.mkabajah.com/> (more info about my project/prizes).

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Biography:

Currently I am a hands-on software Automation infrastructure architect at AWS with over 7 years' experience in the industry. I have experience creating and delivering products (HW/SW). I worked to build automation infrastructure from scratch, building SW tools, open source packages and designing high level software. Leading teams of people between 5-12.

***Skill Highlights:**

- 1- Agile/Scrum methodology.
- 2- Performance and scalability optimization.
- 3- innovative thinking.
- 4- High Skills in Programming and get things done.
- 5- high ability in leadership and Entrepreneurship.
- 6- high knowledge in SW design and interfacing
- 7- High ability business development and Management.
- 8- High skills in Training and Personal Development

EDUCATION:

■ **Bachelor** Computer Systems Engineering, Birzeit University (2008-2013)

2 Major's: Software Engineering + Computer and Electrical Engineering.

1 Minor: Business Administration.

- Cisco Certificate (CCNA Networking), CCNA Academy (2013). (Additional Education)
- Certificate SPARK in Business Model and entrepreneurship (2013). (Additional Education)
- Certificate Project Management Professional – PMP (2016). (Additional Education)

Job and Experiences:

- **Automation Infrastructure Architect at Amazon Web Services (AWS)** (July 2019- present)
Responsible on designing the architecture of automation framework infrastructure, Development Tools, DevOps Integration, cloud solutions and framework guidelines and coding standards across delivery teams on cutting edges products through core of amazon web services.
 - **Ninjaneer 2020:** This award is given for Major achievement, Extraordinary dedication and Unique innovation contributing to the success of the Company.
- **Senior Automation Infra Software Engineer at Amazon Web Services (AWS)** (Sep 2018- July 2019)
Develop automation framework infrastructure from scratch, Development Tools, DevOps Integration, Full-stack solutions, framework guidelines and coding standards and drive consistent automated testing practices across delivery teams. - Leading team of 5 people in all technical issues - Leading innovation unit inside the team to innovate new solutions inside amazon web services.
- **Technology Consultant at Coleman Research Group USA** (2017- Present)
Responsible for Providing strategic advice on using technology to achieve goals, Managing IT initiatives and collaborating with in-house technical staff
- **Infrastructure, Tools and Devops Tech Leader at Pointgrab LTD** (Apr 2017- Sep 2018)
Under the supervision of the Director of Development, works with senior developers, SW developers, and business analysts in a highly collaborative, faced paced, agile delivery environment. Responsible

for leading the development of Automated Testing Strategies, frameworks, and automated testing solutions for websites, back-end systems, embedded system, and databases.

- **Founder & CTO at Brainsole (2016 - present)**
My Own Project with Provisional Patent, which received: MVP (Most Valuable Participant) in Makeathon Go 2016, MVP (Most Valuable Professional) at London Conference 2017, Best 20 in stars of Science (TV show) 2017 - Dubai, 3rd place at falling wall competition – Germany, Top 20 in eBay startup cup challenge – USA
- **Automation infra Team Leader at Cisco Systems (July 2016 – Apr 2017)**
Work as Software Verification/Validation team leader to core of Cisco ISE Product
Leading teams of 7 Engineers, applying agile environment into team. Providing feedback and recommendations to development and product based on test and analysis results., Development using Python, Java in very deep modules.
 - ❖ **Employee of the year 2016**
- **Software Development Engineer at Cisco Systems (Dec 2015 - July 2016)**
Work as Software Verification/Validation to core of Cisco ISE Product
 - ❖ **Employee of the year 2015**
- **Software Development Engineer at Nvidia Inc. (Nov 2013 - Dec 2015)**
 - Take an active role in product architecture and design decisions, Participate in all stages of the development process - from design to delivery.

Honor & Prizes:

- ❖ **Ninjaneer At AWS for year 2020**
- ❖ **Most Valuable Professional – London Conference 2017**
- ❖ **In Top 20 inventors at stars of science 2017 (Invention TV show) – Dubai**
- ❖ **Employee of the year (2015, 2016)**
- ❖ **Most Valuable Participant at Hackathon Haifa (2016)**
- ❖ **Top 3 at Hackathon Haifa 2016**
- ❖ **In Top 3 in Dubai Future foundation competition for innovative youth in EMEA**
- ❖ **Built more than 3 inventions in Wearable and Health care.**
- ❖ **Built startup with more than 12 employees and did exist in my university period.**
- ❖ **Top 20 in eBay startup cup competition 2018 (Brainsole) – USA**
- ❖ **Top 3 in The Falling Walls competition (Brainsole) – Germany**
- ❖ **1st place in amazon web services Hackathon Competition – Israel.**
- ❖ **Public Speaker in AUBG university – Bulgaria**
- ❖ **Cofounder in more than 4 social organizations.**
- ❖ **Global Shapers at World Economic Forum**
- ❖ **Participant at Summer Davos (World Economic Forum) – Dalian China 2019**
- ❖ **Chosen in IVLP (International Entrepreneurship Program) in USA**

SKILLS:

-Programming Skills:

- **Expert in:** Python, Java, MATLAB, MYSQL, Shell Scripting (bash), HDL, Prolog VHDL and Linux.

- Software Engineering Skills:

- **Expert in:** Data Structure, Algorithms, Design Pattern, Machine Learning, Artificial Intelligence , Mathematical thinking, OOP , OOD ,UML/Class Design , Use cases implementation ,Problem solving , SW design, Data-Base Design.

-Automation Skills:

▪ **Expert in:** Building Infra from scratch, Testing Methodologies, Testing Frameworks (Nose, Pytest ...Etc.), Page Object Model, Knowledge in different sectors (HW, IOT, Cloud). Built Many pytest plugins from scratch.

-Cloud Skills:

▪ **Very good knowledge:** Lambda, API Gateway, S3, IAM, Security, EC2, Databases, Fargate, Elastic-Search, Cognito ...etc.

- Networking/ Security Skills:

▪ Excellent knowledge in: Network Layers, Protocols (STP, UDP, TCP/IP, FTP, OSPF...etc.), Routing and switching, Network Security and Penetration (Port Scanning, ARP Poisoning, key exchanging, Encryption technique, DDOS...etc.), IPv6 and IPSec.

- Hardware/Electrical Skills:

▪ Good Knowledge in DSP, Image Processing, Data Compression.
▪ Good Knowledge in interfacing hardware with computers for different purposes: Sensors, Actuators.
▪ Knowledge in Circuit electronics and communication concept and hardware: Circuit design, IC.
▪ Knowledge with embedded systems: ARDUINO, PIC, RaspberryPI and MBED.

-Organizational / managerial skills:

▪ Leadership ▪ Teamwork ▪ Guidance

-Organizational / managerial skills:

▪ Arabic ▪ English ▪ Hebrew

Volunteer Experience:

▪ **Cofounder & Global shaper at East Jerusalem Hub (World Economic Forum)**

The World Economic Forum engages leaders who have the vision and values to shape the future in this new context

▪ **Founder at Jerusalem Spirit (Sep 2015- present)**

It's a group of young Jerusalemite people, who are coming from different cultural, professional & scientific backgrounds, it aims to create a new model to develop our society based on modern ideas by organizing events to share the knowledge and experience with the local community, as well as to draw attention to talents & capabilities of Jerusalem people.

▪ **Cofounder & Robotics Instructor at KIDS ACADEMY EARLY LEARNING CENTER (Sep 2016- Sep 2017).**

Teaching kids how to be innovators (Programming and robotics)

▪ **Mentor at ITwork (Aug 2016- present)**

The ITWork Mentor Training Program is a comprehensive program designed to train mid-career and early senior faculty to become the next generation of effective mentors.

Young Engineer today are in need of positive and present Mentor role models. Research has shown that youth with mentors are more likely to engage in positive behavior, have increased self-esteem, and set higher education and career goals.

Through ITWork mentoring programs, they offer young people support and opportunities to increase their self-esteem and build resilience. This empowers them to develop stronger social networks, reflect on their own interests, strengths, and hopes, and view their futures more positively.

Mentors' roles fall into four categories:

- 1- Providing academic help and tutoring
- 2- Providing career exploration assistance
- 3- Providing emotional support

- 4- Providing social and Work experiences
- 5- Help to pass Interviews and to prepare Men-tees.

Recommendations:

Available on requests