

# MOHAMMAD ABDULLA

SOFTWARE ENGINEER

## Profile

I'm a **Software Engineer and AWS Solutions Architect** with experience in healthcare systems and smart shopping carts. I specialize in building secure, scalable cloud solutions on AWS, and I'm driven by a passion for innovation and continuous learning. I've worked with technologies like **React, Angular, Node.js, Python**, to solve complex problems and deliver impactful results.

For more info, check my website below:

<https://mohammadabdalla.github.io/portfolio/>

## Experience

**August 2024 -  
Present**

**Neorx**

**Software Engineer, Amman**

Building a healthcare management product & API as service.

**Designing a loosely coupled micro-service infrastructure on AWS.**

Implemented backend concepts like

**Caching, queuing, scaling.**

**2023 - July 2024 Wowly**

**Software Engineer, Team Lead, Amman**

WOWLY is an Amazon Go-like project where customers in shopping malls can start and finish shopping using a smart trolley, including checkout. As the team lead, I was responsible for designing and architecting a comprehensive smart POS solution. This solution includes an admin panel with multi-level permissions and roles, analytics dashboards, a POS system integrated directly into the cart, Visa machine integration, and a robust data synchronization feature.

Additionally, I led the implementation of CI/CD pipelines using GitHub Actions to ensure smooth and continuous product delivery on a scalable AWS infrastructure.

## Interests

**Kali Linux & Penetration Testing**

I'm not a PenTester nor a kali linux wizard, but I'm really interested in professionally exploiting vulnerabilities of a computer system.

## Skills

**Frontend**

Angular

React

CSS & CSS frameworks

**Backend**

Python/Django

Nodejs/Express

Nosql (Mongo)

SQL(mysql/postgresql)

ORM (SEQUELIZE)

**Cloud**

AWS Solutions Architect, worked with various AWS services like: IAM, CloudFront, S3, EC2, RDS, VPC, and many more.

**Linux & Containerization**

Deployed and managed SQL databases, with expertise in running containerized applications using Docker on Linux platforms.

**Programming Languages**

Python

Javascript

Typescript

Java (Only basics to help me understand OOP)

**Clean Code & SOLID Principles**

Writing clean, maintainable code and applying SOLID principles for scalable software architecture.

2020 - 2023

### Nixpend

#### Software Engineer, Amman

At Nixpend, I worked on developing a healthcare application integrated with an ERP system to manage patient and practitioner procedures, insurance, and accounting. I secured this full-time position during my second year at university, which gave me the opportunity to contribute early on to the system's improvement. I enhanced efficiency, optimized data management, and implemented tools and scripts to automate tasks, saving significant time for my colleagues.

## Education

2017 - 2021

### Computer Systems And Networks Engineering

Al-balqa Applied University, Alzarqa

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2016 - 2017

### AL-naphees High school

alnaphees, amman

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## Volunteering

### Member of CNE | BAU University

During the university i joined the CNE where we helped other computer engineering students in the studying curriculums as well as guiding students in their freshman year and other activities.

## Contact

🏠 Amman

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🔗 <https://github.com/mohammadabdalla>