

# Daniel Quomsieh

COMPUTER SCIENTIST

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## Education

### Amazon Web Services

AWS CERTIFIED SOLUTIONS ARCHITECT - ASSOCIATE

*Bethlehem, Palestine*

*January 2024*

### Birzeit University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

*Birzeit, Palestine*

*May 2020*

### Microsoft

MICROSOFT CERTIFIED SOLUTIONS DEVELOPER

*Bethlehem, Palestine*

*August 2015*

## Skills

### Programming

TSC, Python, Rust, R, JS, Bash, C, Zsh, Go, PHP, Java

### Frameworks

NestJS, Express, Flask, Spark, Kafka, Airflow, Prefect, FastAPI, ReactJS, Django

### DB Management

MongoDB, MySQL, PostgreSQL, MariaDB

### AWS Cloud Services

IAM, Cognito, S3, Lambda, EC2, ECS, EKS, CloudWatch, RDS, Secrets Manager, Open Search

### SysAdmin

Linux (i use arch btw), Windows, VMWare

### Security Tools

BurpSuite, WireShark, Tcpdump, Nmap, Snort

### DevOps

Docker, Jenkins, Snyk, Bitbucket, Github, Gitlab, Ansible, Kubernetes, Selenium, Great Expectations

### Languages

Native English, Native Arabic

### Writing

Technical Documentation, Software Requirements, Report Summary, Essays

## Experience

### Nemetschek dTwin

SENIOR DEVOPS ENGINEER / CLOUD ARCHITECT

*Germany - Remote*

*May 2023 - Current*

- Built and managed cloud infrastructure for a digital twin system with numerous IoT devices sending data to our application.

### Bitlab

SENIOR BACKEND ENGINEER

*Canada - Remote*

*January 2024 - June 2024*

- Developed the backend of Aplyze, a fintech application, which helps simplify payment processing for high-risk businesses.

### Neavant

SOFTWARE ENGINEER

*Finland - Remote*

*November 2022 - March 2023*

- Designed and created unique software solutions for small to medium sized businesses, such as Hobiver.

### Lunar Data Analytics

TECHNICAL LEAD / DATA ENGINEER

*Ramallah, Palestine - Remote*

*April 2021 - April 2023*

- A local start up with a fast paced environment having limited resources requiring efficient utilization of time and knowledge. Developed and pushed to market 3 products, a digital signage application, a business intelligence analytics tool accompanied with a loyalty phone application for the end user.

### Intel — Jaffa .Net

BACKEND DEVELOPER

*Rawabi, Palestine - Remote*

*August 2020 - May 2021*

- Working in a highly dynamic team with an emphasis on well structured and rigorously tested software. I was part of the team developing thunderbolt testing software for prominent OEMs.

### Jaffa.Net

FULL STACK DEVELOPER

*Rawabi, Palestine - Remote*

*July 2020 - August 2020*

- Designed and implemented efficient scalable software solutions for large growing local businesses, with an emphasis on manufacturers. This usually involved detailed customized features for the product pipeline and implementing unique quality assurance checks for their manufactured products.

## The Palestinian Museum

*Birzeit, Palestine - Remote*

DIGITIZATION ARCHIVIST

*Sept. 2019 - June 2020*

- Wrangling, cleaning, managing, and organizing large amounts of data. As well as digitizing the physical historic archives that often date back to more than 100-200 years ago.

## Arabic Ontology

*Birzeit, Palestine - Remote*

DATA SCIENCE INTERN

*Aug. 2018 - Jan. 2019*

- Designed and implemented algorithms for processing/filtering millions of Arabic sentences and built machine learning models using logistic regression mainly.

## BZU Open Source Community

*Birzeit, Palestine*

COORDINATOR/LECTURER

*April 2018 - January 2019*

- The open source community was made to help prepare students to find work after university and provide them with wanted skills so that the application process is not as grueling. I have given several lectures on git version control and how to use it while programming, as well as open source ideology and how as a community everyone benefits from open source software.

## Freelance

*Remote*

SOFTWARE/DIGITAL SOLUTIONS

*September 2017 - Current*

- I have mainly worked on small-scale websites, mobile/desktop applications, and graphic design (logos, animations, designs)

## Personal Projects

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### Homelab

- Set up a homelab with DHCP, DNS, Identity Management, a host provisioning system, configuration management, host/service monitoring.

### DNS Sinkhole and VPN

- Using a raspberry pi I was able to create an ad-blocker for any device currently on the attached network by using it as a DNS server.

### Network Scanner and Monitor

- Also, with an raspberry pi, I configured and set up a network scanner and monitoring tool that helps track network traffic.

### RFID Door Lock

- Configured and built an RFID scanner to be used on a door lock.

### 8-bit RPG Video Games

- A couple of basic 2D 8-bit RPG games that I made for fun using Unity.

### Tweet Processor/Classifier

- A python program used to filter, process, and classify tweets pulled from Twitter.

### Job Web Scraper

- Another python program used to scavenge employment sites and get the latest job offers.

### Robotic Arm

- A robotic arm built with wood, servos, and an arduino. Can be controlled through a wired controller or a phone using bluetooth.

### Remote Controlled Toy Car

- Simple toy car built with wood, wheels, a couple of motors, and an arduino, controlled through a bluetooth module.

### And many more!

- I've always had an interest for how things worked and would break down, fix, create anything that seemed even a little bit interesting to me. I repair and build PCs, laptops, gaming devices, any sort of electronics available. I love developing and have programmed tons of scripts, user interfaces, APIs, etc for either a personal task I wanted, or if I was interested in knowing some information that wasn't readily available. The sky is the limit for me with these personal projects as I enjoy troubling myself with anything new I haven't learned before.