



# PATRICK BALIAN

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## CAREER OBJECTIVE

Seeking a challenging career with a well established organization that provides an opportunity to work on Distributed Systems and learn from them.

## AREAS OF EXPERTISE

- Socket Programming
- Research
- Distributed Systems

## CONTACT DETAILS

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Country: Lebanon - City : Beirut

## VOLUNTEERING

Facebook Dev Circle : Beirut  
Beirut Ai  
Google Developer Group Coast Lebanon

## MAIN INTERESTS

- P2P Networks
- Programming
- Systems Design
- Research

## EMPLOYMENT HISTORY

### IT INTERN

**Middle East IT | 2015 - 2015**

- Build Computers following customer specifications
- Network/Pc Troubleshooting
- Worked and learned from IT lead (mentor)

### AUTOMATED TRADING BOT DEV

**Freelance | Aug 2020 - Oct 2020**

- Worked closely with client to acquire domain knowledge
- Implemented trading strategies using MQL4 on metatrader5

## EDUCATION HISTORY

### AMERICAN UNIVERSITY OF SCIENCE & TECHNOLOGY

**BS Computer Science | Oct 2017 - Jun 2021**

- GPA: 3.7/4
- President and founder of the computer science club
- Some University projects are available on my GitHub

## CAPSTONE PROJECT

### OMNICACH

A Blockchain based Distributed file storage system

- |   |   |
|---|---|
| -Python   | -Routing table management                             |
| -Low-Level socket programming                   | -Diffie Hellman key exchange algorithm implementation |
| -Custom protocol built on top of -TCP/IP        | -AES encryption                                       |
| -Peer-to-Peer Logic implementation              | -Blockchain implementation using Geth and Web3.py     |
| -PyQT library used for developing the interface | -Smart contract scripting using solidity              |

## TECHNICAL SKILLS

### Languages

- Python
- C++
- Java
- Go
- SQL

### Technologies

- Familiar with Cloud technologies
- Distributed Systems
- Blockchain
- Git
- Socket programming

### Certificates

- CCNA (1-4)
- Cisco IT essentials
- Huawei HCIA 5G