HICHAM DACHIR

Software/Hardware Developer

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STRENGTHS

Python	Django	SQL
JavaScript	Vue.js	HTML
HTML	CSS	CSS

| PCB design | Altium designer |
| Cryptography | Security |

INTERESSTS

| BlockChain | IoT | 5G |
| Web3 | AI |

ACTIVITIES

making hardware products

participate in competitive programming contests

reading technical books

CERTIFICATES

AI Programming with Python

EF Standard English Test C1

Python 3 Problem solving top 1%

ABOUT ME

been a Software/Hardware developer is not a common position, because , i create this with my career path, by having professional experience in both hardware design, and Software Engineering, and knowledge in Cryptography and Security to be able to build hybrid systems(like IOT).

EXPERIENCE

Full Stack developer | Pzaz.tv

📅 Mars 2022 – Oct 2022   📍 United Kingdom

- pzaz.tv is a streaming platform, used to watch TV channels movies and videos
- fixed issues reported by users/QA team
- enhanced the layout based on Figma designs provided by our designers
- update the backed based on the new UI journey
- changed the layout based on Figma designs
  Python, Django, JavaScript, Vuejs, PostgreSQL, Docker

Software Engineer | Hugintech

📅 Jun 2021 – Nov 2021   📍 Norway

- was working on a project called Farmforce it's an agronomy ERP
- fixed issues on an existing web project used by 700k users
- participated in the upgrading of the project from python2 to python3
  Python, Django, PostgreSQL, AWS, Linux

Embedded System Engineer | Elit

📅 Dec 2018 – May 2021   📍 Algeria

- Created a real time Combinatory logic tool : **Python, PHP, MySQL, Redis, Linux**
- Implemented the industrial protocol IEC 60870-5-101 for a SCADA system (in the electrical network) : **C++, MySQL, Redis, Linux**
- design PCB boards to communicate with SCADA system over IEC 60870-5 protocols : **Altium designer, Eagle, Proteus**

IoT Developer | consultant

📅 May 2017 – Dec 2018

- Developed a raspberry-pi based tool that control the data-usage: **Python, PHP, MySQL, Bash, Linux**
- Realized and deployed a multi-user platform to control IOT objects: **Python, PHP, MySQL, Bash**
- Designed a TCP server that gets data from devices and store in DB, and also command the devices : **Python, socket, multi-Threading**
- Designed Esp8266 based products to communicate with an IOT platform : **Altium designer, Autocad, PCB design**

EDUCATION

Phd Student in Robotics | USTO

📅 Nov 2016 – Jul 2017   📍 Oran, Algeria

- researches in robotics

M.E Cryptography and Data Security | USTO

📅 Sep 2014 – Jun 2016   📍 Oran, Algeria

- final project: implement Elliptic Curve Cryptography in Smart card

B.E Electronics | Ibn Khaldoun

📅 Sep 2011 – Jun 2014   📍 Tiaret, Algeria

- final project: control the speed of DC motor