Adrian Monteil, BS

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Systems engineer/ Developer

Skills

Software programming (html5, css3,React.js, redux, es6, node.js, pwa, python, c, c++).
Database (postgreSQL, mysql, mongoDB).
Smart-building/ home automation/ PLC/ SCADA, Crestron(beginner).
Low voltage security systems (acces control, cctv, alarm, intercom).
Network (TCP/IP,rs232, rs485, bacnet, modbus, knx, z-wave, OPC, MQTT, SIP,VOIP, RIP, VLAN).
Arduino, Raspberry pi.
Electricity.

Professional experience

- **2018 Web developer/ Smart home engineer (self employment).**
Divided in two activities :
- Web development using last technologies (react.js, node,js, mongoDb, postgresql, socket.io , pwa, es6, html5, css3)

- Designing and programming smart home and building automation systems (denon, russound, heos, cctv, intercom, Ubiquiti acces points).

The last project I am working on is a home automation supervision software using react.js, node.js, socket.io, mongoDB for the software part and open devices (wago, arduinos) as field controllers.

- **2017-Now low voltage engineer on demand (high-tech security, safe-zone24, NYC).**
CCTV, alarm, acces-control, intercoms, home-automation programming/ installing.

- **2017 jan - aug Project manager building management systems (TIL technologie France)**
Design large electronic security systems and building management systems (france rail road acces control, cctv, alarm system everything centralized and communication with database via sdk).
Quotations.
Technical pre-sale support.

- **2014-2017 international field engineer/ project manager(Axiome concept France/ Qatar)**
Programming and commissionning large smart building systems (automation hardware and HMI software).
Network analysis.
Help designing Ip network.
Using linux command line.
Using wireshark.
Using troubleshooting tools.
Python scripting (development of an automation tool that would save numerous days of configuration).
Use all type of connections and protocols(rs232, rs485, TCP/IP, bacnet, propriatary protocols).
Communication with different installers (cctv, acces, control, fire alarm, ligthing system, parking system, Hvac system).
Managing technicians in Qatar.
Client technical interface (meetings).

- **2013/2014 Automation engineer building management system (Herve Thermique France)**
PLC programming (wago, codesys).

C# programming (Development of a synchonisation app for PLCs using socket and network programming because of NTP desynchronisation).
Knowledge of ignition software.

• **2013 2 months internship Automation Engineer (cap ingelec)**
In charge of the implementation of the SNMP protocol into an industrial environment 100% autonomous.
Learn SNMP deeply.
MIB, OID.
Network analysing with wireshark.
Supervision of 22 industrial AC devices for a data center via SNMP and implementation into Pcvue scada software via kepware getway SNMP/OPC

• **2009/2013 Field Engineer low voltage systems (septam, stentofon Paris France)**
Programming and commissioning Building management systems with scada software.
Programming and commissioning of large IP intercom system with scada (north highway road in france).
Programming and commissioning alarm, acces control, cctv systems.
Technical support.
Technical trainer for technician.

• **2006/2008 Sale associate footlocker (Canada/UK)**

• **2003/2006 Residential and industrial electrician (EGI aquitaine France)**
Pannel wiring.
Troubleshooting.
Using tools(toner, multimeter).

Education and degrees

• **2014 Bachelor degree computer engineering (Bordeaux France).**

• **2012 Associate degree computer engineering (Paris France).**

• **2009 One year network certification (CCNA 1&2, Switching, Routing,VOIP) (Bordeaux France).**

• **2003 vocational high school diploma electrical engineering(Bordeaux France).**

Training

• **Online Boot Camps Web programming.**
Html5, css3, Bootstrap, wordpress, jquery, React.js, Redux, php, node.js, socket.io, PostgreSQL, Mysql, MongoDB.

Languages knowledge

French English Spanish (basics).

Other

SmartHome DIY.
Cardio workout.
Basketball.