

# Razvan Bordeianu

ELECTRONICS, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY GRADUATE

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## Education

### Faculty of Electronics, Telecommunications and Information Technology (Politehnica University)

Bucharest, Romania

B.S. IN ELECTRONICS, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY  
WITH FOCUS ON TECHNOLOGIES AND TELECOMMUNICATION SYSTEMS

Sept. 2018 - Sept. 2022

## Experience

### Python Systems com

Bucharest, Romania

SYSTEM ADMINISTRATOR

Oct. 2023 - Present

- Diagnosed and resolved technical issues related to hardware, software, firewall, and network connectivity.
- Configured and troubleshooted client operating systems and applications, covering both physical and virtual environments. This included Windows 10/11, Windows Server, Microsoft Office 365, Exchange, and various business systems.
- Troubleshoot software installations, configuration, and compatibility issues on different client endpoints.
- Worked with Fortinet equipment, HPE servers, Synology NAS products, various printers, and fixed endpoint hardware problems.
- Documented and created user-friendly guides to manage client credentials and log-on data.
- Hands-on experience with Active Directory and Group Policies, Managed email accounts in cPanel, Supervised threat monitoring operations within Bitdefender GravityZone.

### Qmed Dental Clinics

Bucharest, Romania

ASSISTANT GENERAL MANAGER

June 2021 - Oct. 2022

- Assisted the General Manager in all matters and maintained communication between the board and all company departments.
- I was responsible for managing and maintaining the IT department. In addition, I routed and set up a new clinic's network.
- Implemented automated solutions for the acquisitions department and for tracking sterilized medical instruments.
- Managed and maintained the relationship with external providers.
- Reviewed various financial statements and introduced a revised pay and bonus structure for our staff.
- Tracked and analyzed key performance indicators such as productivity, occupancy, and the quantity of conducted procedures.

### EFdeN

Bucharest, Romania

ELECTRICAL TEAM INTERN

June 2021 - Sept. 2021

- Assisted the team in designing a lighting system for the garden of EFdeN's Sustainable City prototype using AutoDesk AutoCAD.

## Skills

<b>Networking</b>	Familiar with Fortinet equipment, and concepts like TCP/IP, DNS, DHCP, LAN/VLAN/WAN.
<b>Circuit Design</b>	PCB design, OrCAD design, Circuit synthesis and analysis, BOM file generation
<b>Programming Languages</b>	C, C++, data structures and algorithms, object oriented programming, Python, Linux English, Romanian

## Relevant Courses

<b>Schematic design</b>	Passive Components and Circuits, Interconnected Electronic Designs
<b>CAD</b>	CAD/CAM Electronic Schematic Design, CAD Techniques of Building Electronic Modules
<b>Programming</b>	Data Structures and Algorithms, Object Oriented Programming
<b>Analog/Digital Design</b>	Electronic Devices, Digital Integrated Circuit Design, Analog Integrated Circuit Design

## Projects

### IoT Enabled Smart Lightning System for Smart Buildings

Graduation Thesis

MONITOR THE PRESENCE OF PEOPLE AND ENVIRONMENTAL PARAMETERS

4th year

- The system was designed to transmit real-time room status to a web application.
- Depending on different environmental parameters the system will adjust lightning to ensure comfort and save energy.
- Created the schematic and PCB design for the: power, control, sensors, and execution blocks.
- Pre-layout investigation through CAD methods and inspected the PCB board after printing it and soldering the components.
- Wrote code in Arduino IDE for the ESP8266 microcontroller used in the control unit of the PCB.
- Tested the code and adapted the values to real-life scenarios.
- After testing several LED panels and power supplies the optimal combination for the project was chosen.