

# Alejandro Rosero Medina

## Electronics & Telecommunications Engineer

Popayán, Cauca - PHONE 3157976230 - Email [ralejandro@unicauca.edu.co](mailto:ralejandro@unicauca.edu.co)

### PROFILE

Electronics and Telecommunications Engineer with AWS cloud management experience and some theoretical and practical knowledge in Azure. In addition, I have some experience and knowledge in Java (Maven, MVC & Rest Services), networking & cybersecurity techniques. I have also developed some solutions with SQL-databases, Linux services & Programming languages (C++, C#, Python & JS). Responsible, entrepreneurial, proactive, always focused on achieving results. Excellent interpersonal relationships.

### EXPERIENCE

Since April 2021 -  
now

#### **Bext technology** **Sharepoint and Cloud Analyst**

Functions: Analyze migration projects, cost estimation and solution deployment on AWS.  
Conduct training on AWS topics for customers.

Since Sept 2018  
- March  
2020

#### **Universidad del Cauca** **Network Infrastructure Monitor**

Functions: Preventive maintenance, connectivity troubleshooting and installation of data points on the university's data network

(Popayán,  
Cauca)

### EDUCATION

**University of Cauca**  
**Electronic & Telecommunications Engineering**  
Feb 2014- oct 2020                      Popayán, Cauca.

**Ministerio de Tecnologías de la Información y Comunicaciones**  
**MisionTic2020 (Python, Java, HTML, JS, CSS, GitHub & AWS)**  
Oct 2020 – 21 Dic 2020                      Intensive Virtual Course

**LinkedIn Learning**  
**Linux & AWS courses**  
Aug 2020- now                      Virtual environment

**Evolve Your English**  
Sept 2020- now                      Virtual meetings

### TOOLS

Java  
NetBeans – Eclipse  
Linux  
Bash  
Git-GitHub  
SQLiteStudio  
VirtualBox-Networking and sec  
VMware-Networking and sec

### LANGUAGES

NATIVE SPANISH  
English:  
Listening: B2  
Writing: B2  
Speaking: B2  
Reading: C1

### REFERENCES

**Oscar Calderon**  
Universidad del Cauca | Head  
of the TIC area  
Phone 315 5062192  
E-mail  
[oscarc@unicauca.edu.co](mailto:oscarc@unicauca.edu.co)

**Juan Carlos Vidal**  
Innovagen | Software  
Developer  
Phone 3015616875  
E-mail [jucarvidal@gmail.com](mailto:jucarvidal@gmail.com)

## University of Cauca

### **COMPARATIVE ANALYSIS OF THE PERFORMANCE OF SPECTRUM ALLOCATION (RSA) ALGORITHMS FROM A DISTRIBUTED OPTICAL NETWORK TO A RESOURCE-CONSTRAINED CENTRALIZED OPTICAL NETWORK**

- Design 2 optical networks in OMNeT++
- Implementing RSA algorithms and comparing their performance in the exposed conditions

### **Design and implementation of security policies in a FORTIGATE firewall over a virtual machine in VMware for a network environment:**

- Install and configure the FORTIGATE firewall in a virtual machine
- Implement security policies on the previously configured network environment

## MisionTic

### **Design, development and deployment in the AWS cloud of an accounting web application for a coffee shop**

- Design Frontend
- Design Backend
- Design the database and connect it to Backend and Frontend
- Deploy the app on the Amazon Cloud

## Personal and commercial

### **Develop a circuit to regulate the output pressure of a suction motor with arduino to create a Vacuum Machine.**

- Designing the electronic circuit and implement it
- Designing the arduino code to use the machine

This was my first commercial project for an American partner.

## HOBBIES

- Training at the gym and playing soccer.
- Reading novels and general culture