Alejandro Rosero Medina

Electronics & Telecommunications Enginner

Popayán, Cauca - PHONE 3157976230 - Email ralejandro@unicauca.edu.co

PROFILE

Electronics and Telecommunications Engineer with experience in Java (Maven, MVC & Rest Services), Cisco-based networks and network security techniques. I also have basic knowledge in: SQL-databases, Linux servers and services, Programming languages (C++,Python, HTML5 & JS) and i'm growing up my AWS's skills. Responsible, entrepreneurial, proactive and with high leadership capacity, always focused on achieving results. Aware of the surrounding situations, with excellent interpersonal relationships.

EXPERIENCE

Since Sept 2018 - March 2020

(Popayán, Cauca)

Universidad del Cauca
Network Infrastructure Monitor

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

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

PROJECTS

University of Cauca
IPv4 & IPv6 Network Services on Linux:
- Server configuration with its clients using virtual machines in VirtualBox
- Set up network services on Linux (DHCP, PROXY, DNS, WEB & EMAIL)

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

Juan Carlos Vidal
Innovagen | Software Developer
Phone 3015616875
E-mail 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 Vacumm Machine.

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

This was my first commercial project and it was for an American partner.

HOBBIES

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