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Top Skills

Network Installation

Network Systems

Network Services

Certifications

Building Community Wireless
Networks

Etica en el servicio público

Mikrotik Certified Wireless Engineer
(MTCWE)

Industrial control systems joint
working group

Honors-Awards

Best tutor ICT 2021-2022
competition. Network

Rene Fernando Sosa Santos

University of Cantabria PhD Candidate/Telecommunications
engineer/Project Managent specialist
Santander, Cantabria, Spain

Summary

As an PhD student with a Master's degree in Communication
Networks and specialization in Python programming language,
satellite TV, agile methodologies, radio frequency (RF), GPON
FTTX, carrier-enterprise solutions, and oil & gas industry automation,
I am passionate about staying at the forefront of technology and
innovation. With proficiency in English language, I continuously seek
opportunities to expand my skills and knowledge, including ICT
security courses at Escuela Militar de Ingeniería.

As a PhD candidate at the University of Cantabria, I bring a
unique blend of technical expertise and strong communication
and collaboration skills to the table. I am a results-driven Project
Manager, Field Engineer, and Project Engineer with experience
in Project Planning and Construction Management. My ability to
effectively manage projects, my commitment to engineering and
construction, and my passion for innovation make me a valuable
asset to any team.

I am eager to continue to grow my career and make an impact in the
ICT industry. With my technical expertise, passion for communication
networks, and commitment to staying on the cutting edge of
technology, I am confident in my ability to drive positive results and
deliver valuable contributions to any team.

Experience

dTec
Information Technology Infrastructure Specialist
March 2024 - Present (9 months)
La Paz, Bolivia

-Data Center Management

Supervise and oversee global data center operations.

Ensure the availability, security, and efficiency of data center resources, including backup system management.

-Cloud Management

Manage private and public IaaS solutions.

Efficiently allocate cloud resources to meet organizational requirements.

Implement and optimize cloud security measures.

-Virtualization

Administer and enhance virtualization systems.

Ensure seamless operation of virtualized environments.

Implement disaster recovery solutions for virtualized systems.

-Local Networking

Configure and manage local networking components (switching, routing, firewalling).

Coordinate technical support with external partners providing support or maintenance services for local network solutions.

Implement and maintain network security measures as defined by the IT Security team.

Monitor and optimize both wired and wireless network performance.

-Microsoft Domain Controller Provisioning

Deploy and manage Microsoft domain controller services as needed.

Implement and ensure the provisioning of Active Directory services.

Ensure seamless integration with other IT systems.

-Internet Service Providers (ISP) Management

Analyze and design optimal connectivity solutions in collaboration with ISPs for various networks and locations.

Monitor and optimize network connectivity.

Collaborate with ISPs to address connectivity issues.

-Infrastructure Tier 2 Support

Provide second-level support for IT infrastructure elements of core systems and applications.

Respond to and resolve infrastructure-related incidents and service requests.

Collaborate with other IT teams to address complex technical issues related to core IT infrastructure.

-Documentation, Reporting, and Knowledge Transfer

Create and maintain detailed technical documentation for infrastructure configurations and procedures.

Generate regular reports on infrastructure performance and incidents.

Instituto de Electrónica Aplicada
Associate Professor

January 2022 - Present (2 years 11 months)
La Paz, Bolivia

As a Master's degree professor at the Institute of Applied Electronics of Mayor de San Andres University, I had the privilege of sharing my knowledge and expertise with students in the field of virtualization of telematic systems. I brought real-world experience to the classroom and was dedicated to helping my students understand the complexities of this specialized area. My passion for telematic systems and virtualization was evident in my teaching style and the dynamic learning environment I created. It was an incredibly rewarding experience to see my students grow and succeed in this field.

Universidad Privada Boliviana
Assistant professor
April 2019 - Present (5 years 8 months)
La Paz, Bolivia

As a professor in the Department of Electromechanical Engineering, Electronics/Telecommunications, and Computer Systems Engineering at the Universidad Privada Boliviana, I have dedicated my career to providing students with a comprehensive education in the latest technologies and techniques. My subjects cover a wide range of topics, including:
-Instrumentation and automation.
-Network applications
-Teleinformatics
-Electrical Circuits I
-Electrical Circuits II
-Logic systems
-Applied electronics I
-Applied Electronics II
-Electronic instrumentation and measurements
-Control Engineering
-Switched Networks
-Selected topics in ICT
- Telecommunications Projects
I also have a wealth of experience in telecommunications projects and am a research professor in charge of electronics department. In addition to my teaching responsibilities, I also serve as a server administrator for the Computer Systems Engineering program. With a deep knowledge of the latest advancements in ICT, I am passionate about sharing my expertise with students and helping them achieve their full potential.

Women Speed Up Foundation
Cisco Instructor
January 2022 - June 2022 (6 months)
La Paz, Bolivia

I have extensive experience in teaching and guiding students through the CCNA 1 curriculum. My in-depth knowledge of Cisco networking technologies, combined with my passion for education, has allowed me to effectively communicate complex technical concepts to students of all levels.

In my role as a CCNA instructor, I was responsible for delivering lectures, leading hands-on lab exercises, and providing one-on-one support to students as they worked through the course material. I also developed and maintained a variety of instructional materials, including presentations, practice exams, and lab guides, to ensure that students received a comprehensive education.

Throughout my time as a CCNA instructor, I consistently received positive feedback from students, who appreciated my ability to explain complex topics in an engaging and easily-understandable way. I am proud to have played a key role in helping students develop the skills and knowledge they need to succeed in the fast-paced world of IT and networking.

Signe Seguridad
Project Manager
May 2019 - January 2022 (2 years 9 months)
La Paz, Bolivia

Review the project plans, project scope and adjust required changes for public and private sectors.
Create, execute, and improve telecommunications projects oriented on core and access networks .
Managing relationships with clients, subcontractors and suppliers.
Create RFP's and bid packages for Low Voltage Cable Contractors and IT Design Engineers.
Manage the construction and buildout of the technology spaces, and the low voltage vendors
Provide project plans and schedules and provide weekly project status

HANSA Proyectos & Servicios
Project Management Specialist
April 2017 - January 2019 (1 year 10 months)
Bolivia

As a seasoned Project Management Specialist at Hansa Ltda, I bring expertise in fiber optic laying (GPON FTTX) and a track record of successful project execution, monitoring, and control. I have honed my skills in negotiating with customers and developing virtual verification applications to ensure network construction is seamless. With a deep understanding of the importance of IT systems, I was responsible for the implementation and management of Carrier, Enterprise, Gas & Oil and Energy projects at a national level in Bolivia. My experience also extends to training in computer security and developing innovative IT solutions to ensure project execution and information integrity/ security.

ATT - Autoridad de Regulación y Fiscalización de Telecomunicaciones y Transportes
ICT Technician
August 2016 - December 2016 (5 months)
La paz, Bolivia

As an ICT Technician at ATT - Autoridad de Regulación y Fiscalización de Telecomunicaciones y Transportes, a state-owned public company in Bolivia, I provided technical support in the ICT area and served on the Radio Link Licensing commission. In this role, I utilized my expertise in technology and regulations to ensure the smooth operation and compliance of communication systems. My experience as a technician has equipped me with a deep understanding of the intricacies of ICT systems and the ability to provide effective support and solutions to any challenges that may arise.

Universidad Católica Boliviana
Telephone switchboard assistant
February 2014 - December 2014 (11 months)
La Paz, Bolivia

Estado Mayor del Ejercito de Bolivia
Technical Consultant
December 2013 - June 2014 (7 months)
Bolivia

Experienced Wireless Communications Technician with a proven track record of successful project management and technical consultation. Demonstrated expertise in the reactivation of Ejercito TV channel, reinforcement of the General Staff's intranet O.F. ring, and optimization of the CCTV network. Contributed to the success of the first satellite videoconference between the Army, the Armed Forces, and the President of the State while working at the

Estado Mayor del Ejercito Boliviano. Committed to delivering high-quality results and driving positive outcomes for clients.

Agrarian Central of Origin "La Cumbre"
IT Infrastructure Technician
April 2012 - March 2013 (1 year)
La Paz, Bolivia

As an IT Infrastructure Technician, I was responsible for maintaining and troubleshooting the company's computer systems, networks, and security systems. My daily tasks included monitoring server performance, performing software and hardware updates, configuring and maintaining network devices, and ensuring the security of sensitive information. I also provided technical support to end-users, both in-person and remotely, and collaborated with other departments to ensure smooth and efficient operation of the IT infrastructure. I was proud to have successfully maintained a high level of service and availability for the company's employees and clients.

Education

Universidad de Cantabria
Doctor of Philosophy - PhD, Tecnologias de la información y comunicación en redes móviles · (November 2022 - November 2025)

Universidad Mayor de San Andrés
Master's degree, communication networks engineering · (2015 - 2017)

Universidad Católica Boliviana
Bachelor's degree, Telecomunications engineer · (2011 - 2015)