

Sai Kumar Muthineni



Personal data

Last Name Muthineni
Address Clever Straße 11, 50668, Köln
E-Mail saimuthineni@gmail.com
Mobile 01627829102
Date of Birth 12.Dec 1991

Profile Summary

Goal-oriented Core Network Expert with good experience in designing, implementing, and optimizing telecom networks. Proficient in core network architecture, troubleshooting, and enhancing performance to ensure seamless connectivity. Committed to enhance network efficiency through automation, innovation, and the use of the latest technologies

Work Experience

2022 Feb – Present **450connect GmbH, Melli-Beese-Straße 11, 50829 Köln, Germany**

Core Network Expert:

- Working on SAE Core. Main component of SAE is EPC(Evolved Packet Core).
- Configuration and troubleshooting of MME(Mobility Management Entity).
- Configuration and troubleshooting of PGW and SGW.
- Provisioning and maintaining of HSS(Home Subscriber Server)
- Configuration of PE(7750 SR) routers.
- Configuration of Aggregation Routers(NPT 1022).
- IP Planning and design, Subnetting and Address management for Network optimization.
- Have a good experience on BGP and OSPF routing protocols.
- Configuration Router as RAS and working on VPN(IPSec) issues.
- Configured and maintaining of DHCP server.
- Configured and maintaining of DNS server.

2020 Oct – 2022 Jan **450connect GmbH, Melli-Beese-Straße 11, 50829 Köln, Germany**

Work student (IT Support):

- Configuring Routers and maintaining of security related things for all systems in our network.
- Evaluating and assessing end-devices for LTE450 network (like smart meters and IoT sensors). Monthly basis backups of several systems..

2019 Nov –2020 May **Bartscher Innovationstechnologien GmbH, 50933 Köln, Germany**

Work student(R&D):

- Optimization of a system for determining the quality of attracting system for mosquitoes.
- Creation of scripts in Matlab/Simulink/Python.
- Development of a system for optical detection of the position of a flying mosquito.

Service Delivery Specialist:

- Health check of TSM SERVERS on daily basis, working on failures it as per priority.
- Troubleshooting of TSM Servers, Client related issues.
- Working on the Restore cases based on the Client request.
- Maintaining minimum number of scratch volumes.
- Good knowledge on LAN-Free, server to server communication.
- Execution of test cases & reporting bugs using JIRA or IBM Rational.
- Planning TSM job schedules to take periodic backups of production servers.
- Creation of scripts in Python to execute oracle DB backups.
- Working on TDP for Oracle and TDP for SQL client.
- Configuring library and library paths; drives and drive paths; device class

Education

- 2019 Mar – 2022 Jan TH Köln University of Applied Sciences, Germany
Focus: Master's in communication systems and Networks
- 2013 Sep – 2015 Aug NNRES, Affiliated to JNT University of Hyderabad, India
Focus: Master's in VLSI and Embedded Systems
- 2009 Aug - 2013 May NNRES, Affiliated to JNT University of Hyderabad, India
Focus: Bachelor of Technology in Electronics and Communication Engineering

Technical skills

- Programming Languages** C, embedded C, Python, Verilog, VHDL, Bash Scripting and MATLAB
- Tools** XILINX, Microwind, IBM TSM, Keil, ATMELE Studio, Wireshark, Kuwaiba, Mikrotik Winbox, Ansible, Docker, MobaXterm, Filezilla, Gitlab.
- Networking Protocols** TCP/IP, SIP, Bluetooth, I2C, OSPF, BGP
- Hardware Platforms** ARM Cortex-M4(STM32F407VG), AVR 8-bit microcontroller(Xmega optim), 8051 microcontroller
- Operating Systems** Linux, Windows and RTOS
- Others** Object oriented programming concepts, Microsoft Office

Certifications and Achievements

1. NetOps (DevOps for Network Engineering): Automating Networks
2. CCNA Routing and Switching: Introduction to Networks Certification
3. CCNA Routing and Switching: Routing and Switching Essentials Certification
4. CCNAv7 Switching, Routing and Wireless Essentials Certification
5. CCNAv7 Enterprise Networking, Security and Automation
6. Certified Embedded Systems Software Development

Language skills

English: Good

Telugu: Mother tongue

Hindi: Good

German: Basic