



Cesar Shaw

5G/LTE Network Engineer I

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SUMMARY

Motivated 5G/LTE Network Engineer with a solid academic background in telecommunications. Skilled in deploying and configuring LTE and 5G networks, from lab integration to live deployment. Conducted thorough protocol analyses and performance monitoring, ensuring seamless operations of mobile infrastructures. Worked collaboratively on projects, developing scripts for automation in Python and Bash. Created comprehensive documentation which became vital for project continuity and knowledge transfer. Eager to contribute enthusiasm, problem-solving skills, and technical know-how to new challenges while actively participating in a dynamic team environment.

EXPERIENCE

Student Network Engineer

University Research Lab 📅 September 2025 - June 2026 📍 Cambridge, MA

Worked in a research capacity, supporting the integration and troubleshooting of LTE systems in a collaborative lab environment. Engaged in various projects that enhanced understanding of network configurations.

- Developed and configured LTE eNodeB in lab environments, working across engineering teams for optimal integration.
- Conducted detailed analysis of protocol traces, identifying key signaling issues to improve communication reliability.
- Monitored network KPIs, performing root-cause analysis on connectivity problems to maintain operational efficiency.
- Created Python scripts to assist in data collection processes, improving workflow efficiency significantly.
- Documented technical procedures and designs through diagrammatic representations to support further research efforts.
- Actively contributed to discussions on 5G standards, promoting awareness of emerging technologies and industry specifications.

5G Solutions Developer

Hackathon Project 📅 January 2026 📍 Remote

Collaborated on an innovative prototype for 5G network monitoring using AI technologies, focusing on performance metrics.

- Engineered a prototype that utilized AI for detecting anomalies in network performance, streamlining monitor processes.
- Built and executed Bash scripts for data collection, contributing to real-time analysis of system performance.
- Performed rigorous tests and validations on network components, ensuring adherence to performance standards and compliance.
- Presented complex findings and strategy proposals effectively to a panel of industry experts during the event.
- Compiled a detailed report on project outcomes highlighting performance evaluations and market prospects.
- Recognized for exceptional teamwork and delivering innovative solutions throughout the hackathon experience.

LEADERSHIP & AWARDS

- Dean's List, Boston University (2024)
- 1st Place, National Telecommunications Hackathon (2026)

EDUCATION

Bachelor's Degree in Telecommunications

STRENGTHS

- 💡 **Analytical Problem Solver**
Approached challenges by forming hypotheses and testing them systematically; peers acknowledged this methodical way.
- 🗣️ **Communicator**
Clarified intricate concepts for non-technical stakeholders, leading to stronger collaboration with teams.
- 👥 **Team Player**
Received praise from colleagues for fostering a cooperative atmosphere during project work, strengthening team dynamics.
- 🔄 **Quick Learner**
Adapted swiftly to new tools and techniques, allowing significant contributions in varied environments and situations.
- 🚀 **Tech Innovator**
Pushed boundaries by exploring and implementing modern technical solutions in projects, recognized by mentors for initiative.

SKILLS

LTE/5G Network Architecture

Python Linux Data Analysis

Protocol Analysis

Network Configuration

Technical Documentation Scripting

Performance Monitoring

Problem Solving

Communication Skills

Collaboration Root-Cause Analysis

Lab Integration

Project Management

LANGUAGES

English Native

Spanish Proficient

MY CAREER



● Student Network Engineer at
University Research Lab (9
Months)

Boston University 🎓 GPA: 3.7 📅 2026 📍 Boston, MA

Coursework: *Network Management, Mobile Communications, Data Analysis, Wireless Systems*

CERTIFICATIONS

- Python for Everybody 📅 2026
- Linux Command Line Basics 📅 2026

TECHNICAL SKILLS

- **Networking Protocols:** S1AP, NGAP, X2AP, GTP-U
- **Operating Systems:** Linux
- **Scripting Languages:** Python, Bash
- **Analysis Tools:** Packet Tracer, Wireshark
- **Documentation Tools:** Microsoft Word, Visio, Google Docs
- **Project Management Tools:** Trello, Asana
- **Monitoring Tools:** NetStorm, Spectrum
- **Configuration Management:** Ansible, Puppet
- **Cloud Technologies:** AWS, Azure
- **Database Management:** SQL, NoSQL

PROFESSIONAL AFFILIATIONS

- Member, University Telecommunications Club (2024 - Present)
- Volunteer, Tech for Good – Community Internet Access Initiative (2025)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST