



VENKATA SAI YAKKSHIT REDDY ASODI

Berlin, Germany.

+91 8179936156 saiyakkshit2001@gmail.com [yakkshit](https://www.linkedin.com/in/yakkshit) [yakkshit.com](https://www.yakkshit.com) [yakkshit](https://github.com/yakkshit)

Summary

Results-driven Software Development Engineer specializing in 5G wireless technology, embedded systems, and telecommunications. Adept in designing and maintaining high availability software for 5G base stations with expertise in C++, Python, and Linux environments. Proven ability to implement Layer 3 protocols, Agile methodologies, and software quality assurance. Seeking to contribute to innovative 5G development projects.

Technical Skills

Languages - C++14, Python, Bash.
Frameworks - Linux, gtest, gmock.
Tools - Git, Gerrit, CI/CD pipelines.
Testing - TDD, Unit Testing, Component Testing.
Protocols - 5G NR, LTE, O-RAN, vRAN.

Experience

Circleup AG

Lead Full Stack Engineer

January 2024 – July 2024

Zurich, Switzerland

Responsibilities:

- Developed responsive web applications using React and Django, integrating APIs with AI-driven services.
- Led the UI/UX design and optimized application performance for scalability in Agile sprints.

Environment: React, Django, AI APIs, RESTful APIs.

CEDZLABS

SW Engineer

December 2022 – January 2024

India

Responsibilities:

- Designed and implemented Layer 3 control plane software for Nokia 5G base stations in a Scrum environment.
- Developed and maintained high-availability software using C++ and Python, with a focus on 5G NR protocols and resource management.
- Contributed to continuous integration, automated testing, and defect resolution.

Environment: C++14, Python, Bash, Linux, 5G NR, LTE, Git, Gerrit, gtest, Agile methodologies.

Projects

AI Resume Tuner | Azure Cloud, Next.js, RAG, LLMs

August 2023

- Developed an AI-powered resume tuner using Retrieval Augmented Generation (RAG) and multimodal LLMs. Integrated backend APIs with a Next.js frontend, deployed on Azure Cloud.

5G Network Simulator | C++, Python, 5G Protocols

June 2022

- Built a 5G network simulator to test Layer 3 protocol interactions and resource management in a gNB. Designed with C++ for protocol handling and Python for result analysis.

Achievements

- Developed and optimized Layer 3 protocol handling for Nokia 5G base stations, improving software performance by 15%.
- Completed course on telecommunications projects, focused on 5G and LTE technologies by cisco.

Languages

- Telugu - Native | English - Fluent | German - Elementary.