Kowsalya K

Professional Summary:

- ❖ Results-Driven Software Developer with 2.8 years of experience and a strong commitment to continuous learning.
- ❖ Gained experience in OAM, O1 Interface, NETCONF protocol, 3GPP specifications and Yang modules.
- ❖ Developed a C/C++ Qt cross-platform application for the Indian Navy, ensuring efficiency and security.
- ❖ Possess strong communication skills to effectively collaborate with teams and interact with customers.

Work History:

SAMEER-CEM – Research Scientist

Project:

- ❖ FCS/ICS for Indian Navy – (May 2024 – Present)
- ❖ Skills Used: C/C++, QML
- ❖ Environment: Linux, Windows
- ❖ Tools: Qt Creator, Qt Design Studio, Dock light, CuteCom

Responsibilities:

- ❖ Developed a cross-platform application for the Indian Navy using Qt C++.
- ❖ Designed and implemented UI components using Qt Widgets, ensuring a user-friendly and efficient interface for Navy personnel.
- ❖ Collaborated with cross-functional teams, including military experts and engineers, to ensure the application met stringent performance and security standards.
- ❖ Gained hands-on experience with Qt's Signal-Slot mechanism, and C++ standards, ensuring optimal performance for mission-critical tasks.
- ❖ Delivered the project within the agreed timelines, following agile methodology.

Contact Info:

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Skills:

- ❖ Experience in C language, C++, basics of Linux, Shell scripting.
- ❖ Completed a SQL certification course on Coursera.
- ❖ Learned HTML and CSS out of interest.
- ❖ Experienced in Qt Creator.

Education:

2022
VSB Engineering College
B.E (Electronics and Communication Engineering)
CGPA: 8.68

2018
Bharani Park Matric Higher Secondary School
HSC
Percentage: 93.33%

2016
St. Theresa's Girls Higher Secondary School
SSLC
Percentage: 95%

Capgemini Engineering – Associate Software Engineer

Project:

- ❖ Netconf manageability for 5G RAN – (July 2022 – February 2024)
- ❖ Skills used: C language
- ❖ Environment: Linux
- ❖ Tools: GDB, Git, Jira, CSCOPE

Responsibilities:

- ❖ Developed NETCONF protocol solutions to enhance the manageability of 5G RAN components, focusing on Operations, Administration, and Maintenance (OAM) functionalities by following _3gpp and ORAN standards and yang models.
- ❖ Developed FCAPS functionality and provided support for bug fixing, Coverity fixes and system improvements.
- ❖ Validated CPU memory utilization for the OAM modules.

Achievements in Capgemini:

- ❖ Appreciation from clients, managers, team leads, and seniors for on-time delivery.
- ❖ Awarded as a star performer for the 3rd quarter of 2023.

Internship:

Capgemini Engineering – Associate Software Engineer Intern

Chennai, India.
04/2022 – 07/2022

- ❖ Implemented CSV mapping for configuration to be done from the Netconf client.
- ❖ Supported the addition of new elements in TR196 Configuration XML and Yang Modification.
- ❖ Implemented proprietary yang for CU and DU modules and Bug fixing.

Declaration:

Hereby declare that the information presented above is true to the best of my knowledge.

Place: Karur

Personal Details:

City: Karur, Tamil Nadu.
DOB: 20/07/2001
Marital Status: Single