

ARPITA FULZELE

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Professional Summary

A seasoned software developer offering strong foundation in **Telecom, network management** and **DNS** application development, skilled in **C** and **C++** also having good understanding of Agile Development with a strong record of excellent teamwork. Quick learner and passionate engineer, having good implementation knowledge of OOPs concepts.

Experience

4 years of experience in Software Development

Core Qualifications

- Good knowledge of C and C++ Programming
- Knowledge and understanding of current best practices in C++ & STL (up to and including C++11)
- Sound understanding of object-oriented programming and design
- Exceptional skills in Agile Development and Test-Driven Development
- Good ability to develop advanced standard techniques and concepts
- Experience in designing applications, coding and debugging complex application
- Excellent written and oral communication skills
- Unit testing experience, specifically with CXX Test Framework
- High ability to work on agile projects

Project Experience

EXFO

Software Developer (Mar 2021 — Till Date)

Project Name	<i>Supporting Wireline Testing tools on Network Architecture</i>
Software and Tools	C, C++, Linux (Docker Compilation), VS
Role	Product Development

- C++ implementations at application level as well as at device driver level and its successful validation on the hardware platform.
- Requirements understanding, design discussions and finalization with local and overseas team and implementing PoCs in the project planning phase.
- Part of scrum team responsible for adding new features to a C#/C++ based Network testing product application interacting with FPGA hardware.
- Analysing and resolving critical defects to unblock the development work.
- Mentoring team members and helping in improving team competency level.

BizAtCloud

Software Engineer (Dec 2018 — Feb 2021)

Project Name	<i>Nerve Centre</i>
Software and Tools	C, C++, JSON, MonoDb, Linux
Role	Product Development

NerveCenter is a network management product, a multi-platform, multi-threaded C++11 / Java / JavaScript / Perl / Python application suite that is employed worldwide to monitor mission critical networks of telcos, financial institutions and service providers

Roles and Responsibilities

- Migrated the data base from flat file and XML based ncdb and mib files to Mongdb with Xerces
- Developed **Restful API** by providing support for **JSON** parsing and creating native NC Objects
- Implemented the modules for Alarms, Rules, Masks, Severity, Polls and Admin
- Worked on unit testing, functional testing, integration testing, regression testing etc.
- Implemented new features in existing desktop client using **MFC** and **VS2012** allowing the users to change the SNMP and ICMP polling interval and retry value
- Worked on customer support issues like **memory leaks** using Valgrind and gdb
- Fixed the issue for incorrect values and functioning of SNMP/ICMP polling time out
- Worked on extending support for NC over **IPv6** network and devices.
- Have good experience of working on networking protocol such as TCP/IP and UDP

Technical Skills

- Operating System Windows and Linux
- Tools Used GCC, GIT, Cxx Test, JIRA, Docker, Memory Analysis tool (valgrind)
Putty, RDP, Zoho Projects
- IDE VI Editor, Visual Studio.
- Concepts OOPs, Data Structure, STL, API, Networking, Socket Programming, JSON
- Domain Datacom, Telecom

Education

- **PG Diploma in Embedded System and Designs,**
CDAC- Pune (Feb-2018 to Aug-2018)
- **Bachelor of Engineering, Electronics And Telecommunication**
Sant Gadge Baba Amravati University (2014 - 2017)
- **Diploma in Electronics and Telecommunication**
Government Polytechnic Nagpur (2011 - 2014)