

# Manasa Mahesh

C++ Developer actively seeking for new opportunities

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## TECHNICAL SKILLS

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- Languages: C, C++, XML, DBMS, Shell script
- IDE/Tools: Eclipse, Source Insight, FTP, SCME, Eclipse, Function Point
- Platforms: Windows, Unix

## EDUCATION

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### Bachelor of Engineering, Computer Science

Sri Jayachamarajendra College of Engineering, Mysore, India

GPA 3.6 (equivalent)

June 2010

## PROFESSIONAL EXPERIENCE

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### IBM

Jul 2010 - Present

#### NC3 Application team

(Associate Software Engineer)

NC3 is a web based tool for Designing, Configuration, Maintenance and Network Management of a repository containing Customer Premise Equipment (CPE) and related Site and Connectivity/VPN data.

- Worked as part of the design and development of projects which helped me to widen the knowledge on Object Oriented Programming principles
- Worked on multiple enhancements for this project and fixed issues which were multi-threaded in nature.
- Mentored and trained new recruits; developed a program to streamline new recruit on-boarding process and created training materials to improve productivity by 10% reported issues

#### • PROJECTS

##### – Core Dump Analyser

[C++, Shell Scripting]

Core Dump analysis is quite complex and time consuming as it involves in-depth knowledge and expertise on various domains like processor architecture and operating systems. To ease the analysis part, an intuitive, intelligent and easy to use **web based static analyzer** was developed using **C++ and STL's**. It also does various known checks on the dump to help an Engineer perform RCA of an issue faster.

##### – Extracts

[SQL, C++, Multi-threading]

Nc3 application is an inventory to store customers data. Customers came up with the new requirement where they wanted their data to be sent in bulk. Till then, customer data was sent based on the order received. A new architecture was developed containing scripts and batch programs to fetch the data on daily basis focusing on **Performance Tuning** by optimizing **SQL** queries. This architecture design was successfully implemented and presented to whole AT&T account

##### – Automation project

[C++, OOPS, Batch Programming]

As a part of this project, manual work being done by network engineers was automated. This project takes a couple of minutes to complete all the processing (typically taken hours if done manually).

- \* Improved the efficiency of the product by automating the user creation process.
- \* Used C++ STLs, Design Patterns, Data Structures, XML Parsers and Batch Programming.
- \* Developed reverse engineering document, Design document for the new architecture, Collated the concepts developed and used by several engineers, to increase the productivity of the engineering team.
- \* Took initiative in preparing estimates and counting Function points for the projects.

## ACCOMPLISHMENTS AND HIGHLIGHTS

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- Received multiple **team level, account level e-awards** for my performance and technical excellence.
- Rated among top **10%** throughout my tenure in IBM.
- Awarded **Service Excellence Award** for the dedication and excellence in project delivery.
- Awarded **Eminence and Excellence Award** for acting as SPOC for project delivery.
- Awarded **HALL OF FAME** for the innovative core dump analyzer tool developed
- Awarded **BEST OF IBM** for mentoring the graduate hires.