

**Krishna Kumar** 

Senior Software Engineer seeking roles in Software Development, software solutions, software programs, Data Structures, release management, Configuration Management, Requirement Gathering, MySQL, LMDb, C++, Python, Linux, Ubuntu 16.04, Fedora-22, MAC

Current Designation: Senior Software Engineer

Total Experience: 4 Year(s) 4 Month(s)

Current Company: Robert Bosch Engineering and Business Solutions Private Limited

Notice Period: Currently Serving Notice Period

Current Location: Bengaluru / Bangalore

Highest Degree: CS [CS]

Pref. Location: Bengaluru / Bangalore, Delhi / NCR

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Senior Software Engineer, Team Lead, Software Development, software solutions, software programs, Data Structures, release management, Configuration Management, Requirement Gathering, MySQL, LMDb, C++, Python, Linux, Ubuntu 16.04, Fedora-22, MAC

Verified : Phone Number | Email - id

Last Active: 21-Jan-21

Last Modified: 19-Jan-21

## Summary

Achievement-driven professional with an industrial exposure of over 4 year.

- \* Understanding process requirements and providing use cases for functional & technical requirements.
- \* Accomplished in Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding and testing to maintenance of proposed applications.
- \* Capabilities in determining operational feasibility by defining the problem, analyzing requirement, and assessing proposed solutions.
- \* Strong ability to multitask under pressure and remain attentive to details.
- \* Highly Motivated individual with valuable experience and education in the field of psychology.
- \* Exposure in working with a team of developers to produce quality releases.
- \* Expertise in Data Structures, Algorithms, Coding in C++ and well versed with Design Patterns.
- \* Knowledge of Agile Mode.

## Work Experience

**Robert Bosch Engineering and Business Solutions Private Limited** as Senior Software Engineer  
May 2019 to Till Date

TITLE : Car Navigatio

DESCRIPTION : A Car Navigation is an automotive navigation system and is part of the automobile controls Used to find the direction in an automobile. It typically uses a satellite navigation device to get its position data which is then correlated to a position on a road. When directions are needed routing can be calculated.

CONTRIBUTION:

1. Implement a wrapper class to improve the code coverage.
2. Debugging and fixing bugs in the navigation system.
3. Creating report and sending daily report.

TOOL : Visual Studio, Git and Gerrit.

TECHNOLOGY : C++, Perl, C++11 Concept

**Global Edge Software** as Software Engineer  
Nov 2017 to May 2019

**TITLE :** Voice User Interface Framework

**DESCRIPTION :** Voice User Interface makes human interaction with device through a voice/speech platform in order to initiate an automated service or process. VUI is a user-facing interface, it meets the needs of the user.

**CONTRIBUTION :**

1. Design and implement wrapper classes for different-2 feature to make framework automated.
2. Uses C++11 concept to implement wrapper class.
3. Implemented singleton design pattern for logging to get the flow-control of the code.
4. Uses concept of multithreading for running multiple wrapper parallel.
5. Developing logic to implement algorithms with less time complexity and uses minimum space.
6. Uses GStreamer API's for audio mediaplayer features.
7. Debugging and fixed bug from code using gdb tool.
8. Attending Daily Scrum Meeting and helping teams, sending daily status.

**TOOL :** Github, Ubuntu16.04, GStreamer, GDB.

**TECHNOLOGY :** C++11, Shell Script, STL, Design pattern, Multithreading.

## **Textual Analytics Solutions** as Software Engineer

Jul 2016 to Sep 2017

**TITLE :** TR Estimation

**DESCRIPTION :** The purpose of this project was to make analysis of the document and remove error if found in the document given by the client.

**CONTRIBUTION :**

4. Implement module to parsing our pdf document to html document PDF parser , using Web-scraping.
5. Used Multithreading to process the multiple documents.
6. Uses LMDB database to store useful data of the document.
7. Debugging, creating report and sending daily report.

**TOOL :** Eclipse, SVN, Fedora22.

**TECHNOLOGY :** python, Shell Script, Multithreading.

## **Education**

UG: **B.Tech/B.E. (Computer Science and Engineering)** from **NIT Allahabad** in **2015**

PG: **CS (CS)** in **0**

## **IT Skills**

Skill Name	Version	Last Used	Experience
Programming in C++,Python			
MySQL, LMDB			
OOPS, Data Structure, Algorithms			
Design Patterns, Operating Systems			
Eclipse , Github, Gitlab, GDB			
Linux, Ubuntu16.04			
Fedora-22, MAC, Windows			

## **Languages Known**

Language	Proficiency	Read	Write	Speak
English	Proficient			
Hindi	Proficient			

## Projects

Project Title: Car Navigation

Client: Robert Bosch Engineering and Business Solutions Private Limited

Nature of Employment: Full Time

Role: Sr. Programmer

Duration: May 2019 - Till Date

Onsite / Offsite: Offsite

Team Size: 5

Skill Used: c++, Perl Automation

Project Details: A Car Navigation is an automotive navigation system and is part of the automobile controls Used to find the direction in an automobile. It typically uses a satellite navigation device to get its position data which is then correlated to a position on a road. When directions are needed routing can be calculated.

Project Title: voice user interface framework

Client: Qualcomm

Nature of Employment: Full Time

Project Location: Bangalore

Role: Programmer

Duration: Jan 2018 - Jan 2019

Onsite / Offsite: Offsite

Team Size: 3

Skill Used: C++ , Data Structures, Algorithms, OOP, Design Patterns, STL, Multithreading, Unix Shell Scripting

Role Description: Documenting, Designing, Implementing module. Attending Daily scrum meeting, Sending Daily status of task.

Project Details: Voice User Interface makes human interaction with device through a voice/speech platform in order to initiate an automated service or process. VUI is a user-facing interface, it meets the needs of the user.

1. Design and implement wrapper classes for different-2 feature to make framework automated
2. Uses C++11 concept to implement wrapper class
3. Uses singleton and observer design pattern in our project.
4. Uses concept of multithreading for running multiple wrapper parallel.
5. Developing logic to implement algorithms with less time complexity and uses minimum space.
6. Uses GStreamer for working on audio systems.
7. Debugging and fixed bug from code using gdb tool.
8. Attending Daily Scrum Meeting and helping teams, sending daily status.

Project Title: TR Estimation

Client: Thomson Reuters

Nature of Employment: Full Time

Project Location: Bangalore

Role: Programmer

Duration: Sep 2016 - Jul 2017

Onsite / Offsite: Offsite

Team Size: 3

Skill Used: Python, C++, Fedora - 22, Unix Shell Scripting

Role Description: Programmer, Designing, Documenting.

Project Details: The purpose of this project was to make analysis of the document and remove error if found in the document given by the client. In this layer we are parsing our pdf document to html document PDF parser , using Web-scraping, Used Multithreading to process the multiple documents. Uses LMDB database to store useful data of the document.

## Affirmative Action

Category: SC

Physically Challenged: No

## Work Authorization

Countries: India

Job Type: Permanent

Employment Status: Full time