

**Yash Kate**

**C/C++ Linux Developer (3.9 Years)**

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**Career Focus:**

Experienced Software Developer with a demonstrated history of working in the computer software industry. Skilled in C/C++, Java, Data Structures and Algorithms, Visual Studio, Back-end Development. Strong engineering professional with a Bachelor of Computer Science focused in Development from the institute of Pune University.

**Professional Experience:**

**Company Name:** - Oxynia Technology Pvt

**Period:** - Dec 2018 - June 2021

**Designation:** Software Developer

**Company Name:** - Foray Soft

**Working Company:-** Tata Consultancy Services (TCS)

**Period:** - June 2021 - July 2022

**Designation:** Software Developer

**Company Name:** - HCL Technology

**Working Company:-** John Deere

**Period:** - Currently Working

**Designation:** Lead Engineer

**Description:** Capable of analyzing new features, coding, writing unit tests, building and deploying client side development and troubleshooting under the supervision of team lead.

- Having Work Experience in Embedded System development.
- Work Experience in C programming
- Work Experience in C++.
- Familiar with MYSQL, MARIADB databases.
- Hands-on experience of working with Linux operating system(Ubuntu).
- Hands on Experience in working with Vi/Vim Editor.
- Having Knowledge of HTML programming, Docker, Yocto.

### Area of Interest:

- Coding and Development.
- Work on Embedded Systems.
- Working with Linux OS.
- Application Development.
- Web Based Development.
- Ready to Learn New Things.

### Projects:

#### **Project 1:**

- Working on Product On Bus Vehicle Intelligent Transport System(OBITS) Version1
- **Project Title :** On Bus Vehicle Intelligent Transport System (OBITS).
- **Role :** Software Developer
- **Environment:** C/C++ programming, C library Functions, Python.
- **IDE:** Visual Studio Code, Vi/Vim Editor, QT creator.
- **Responsibility:**
  - Part of device side development, responsibility of coding and developing various modules related to communication using AT-command. Which includes Serial Port communication.
  - UI designing(gtk+3,gtkmm3,QT), FTP Transfer, USB Transfer, LED displays boards, audio announcements.
  - Configuration Updating and Setup demo and present to customers and visitors.
  - Installation of libraries and Device Management.
  - Manual Testing, Unit Testing And Writing Test Cases.

## Project 2:

- Working on Product On Bus Vehicle Intelligent Transport System(OBITS) Version 2

• **Project Title :** On Bus Vehicle Intelligent Transport System (OBITS).

• **Role :** Software Developer

• **Environment:** C/C++ programming, C library Functions, Python.

• **IDE:** Visual Studio Code, Vi/Vim Editor,QT creator.

• **Responsibility:**

- Developed Harsh-driving monitor weather to detect the there is harsh turning, Harsh Braking, Harsh Acceleration using I2C peripheral to read acceleration, gyroscope and temperature and wrote algorithm to detect it
- Part of device side development, responsibility of coding and developing various modules related to communication using AT-command. Which includes Serial Port communication.
- Developed Digital input and Digital Output weather to enable the di's and do's for various connected inputs and outputs and continuously monitor the state.
- Developed RTC (Real Time Clock) set date time using RTC module (I2C peripheral) read and write data to RTC.
- Developed LED board for customize message utility using RS485 serial port communication.
- Configuration Updating and Setup demo and present to customers and visitors.
- Developed GPS data - read data from multiple satellites and implement Hot start, Warm start, Cold start.
- Camera Development Using Gstreamer and Live Streaming Development Using ffmpeg.
- Alert Handling Development for each type of Alert.

### Project 3:

- Working on Product Smart Time Employee Attendance and Canteen Management.
- **Project title :** Smart Time Employee Attendance and Canteen Management
- **Role :** Software Developer
- **Environment :** C++ programming, MYSQL and MARIADB Database
- **IDE:** QT creator, Visual Studio.
- **Responsibility:**
  - Part of device side development, responsibility of coding and developing various modules like Database creation, CRUD operations using C++.

### Project 4:

- Working on Satellite Communication.
- **Project title :** Satellite Communication
- **Role :** Software Developer
- **Environment :** C++ programming, Perl scripting.
- **IDE:** Visual Studio, Vim Editor.
- **Responsibility:**
  - Part of device side development, responsibility of coding and developing various modules for carrier aggregation features like setup the bearer and registration of User Equipment(UE) using C++.
  - Solve the Bugs from the code and autotest environment.
  - Unit testing with the google framework.

### Academic Details:

Qualification	University/Board	Institution	Year of Passing	Aggregate/Percentage
S.S.C	Maharashtra Board	Ramanbaug school, Pune	2012	65.80
H.S.C	Maharashtra Board	RCM College, Pune	2014	50.15
Bachelor of Computer Science	Savitribai Phule pune University	Marathwada College of Commerce, pune	2018	56.47

### Key skills used in process:

<b>Programming Language</b>	C/C++ Programming, Java, HTML, Python, Shell scripting
<b>Database</b>	MYSQL,MARIADB,OracleDB.
<b>IDE</b>	Visual Studio, Eclipse, Vi/Vim Editor,QT Creator.
<b>Operating System</b>	Linux(Ubuntu, Fedora), Windows 7/8/10
<b>Tools</b>	Git,Jira Software, Bitbucket, Sonar.

### Certifications:

- Salesforce

### Personal Traits:

- Goal Oriented
- Punctual
- Hardworking
- Good in Teamwork
- Good Communication and Leadership
- Willingness to learn

Personal Details:

Date of Birth : 15/01/1997

Address : 137, Budhwar Peth Behind  
Dagdusheth Ganpati Pune - 02

Communication Skills:

- English
- Hindi
- Marathi

Place:

Date:

Yours Faithfully  
(Yash Kate)