# Raja Ram Sharma

Bangalore, India

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## EDUCATION

**Bachelor of Technology in Computer Science**                              **Aug. 2017 – May 2021**
*Galgotias University*                                                                *Uttar Pradesh, India*

### Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Operating Systems
- Computer Network
- Systems Programming

## TECHNICAL SKILLS

**Languages**: C/CPP, Python, Java, SQL
**Library**: BOOST, thrift, Google Test
**Developer Tools**: Visual Studio, Remote Debugger
**Technologies/Frameworks**: Data Protection, Node, Git, Virtualization, Database (PostgreSQL, MongoDB), REST API
**Operating System**: Linux, Windows, Mac

## EXPERIENCE (4+ years)

**IBM ISDL - Redhat— Backend Software Engineer**                          **Oct 2024 – Current**
*C/CPP, Python, Object Storage, Open-source contribution*                        *Bangalore, India*

- Working on RGW (Rados Gateway) of **CEPH** provides a storage service with object, block and file interfaces from a cluster built from commodity hardware componenets.
- Implemented API in C/C++ to remove client ID from the list of client IDs in IAM OpenID Connect (OIDC) provider and added testcase in Python.

**OpenText — Software Engineer I**                                       **Nov 2021 – Oct 2024**
*C/CPP, Java, Perl, Multithreading*                                              *Bangalore, India*

- Worked with features development team of **Data Protector** i.e. A Cross Platform Enterprise Data Backup & Recovery Solution. Contributed on Virtualization(**VMware, H3C CAS**) and database (**PostgreSQL**) integration module. Product take backup and restore of virtual machines, databases.
- Lead **Granular Recovery** for virtual machine backups from design to implementation. Written **C/C++** code using **OOPs Concepts** inheritance, Polymorphism, Singleton **Design Pattern**, **Multithreading**. Load shared dynamic Library and retrieved function's symbol using **function pointer**. Memory Management using **smart pointers**.
- Write modular, secure, and well tested code in **C/C++, JAVA** and **Perl** script as per features requirement.
- Fixes **90+** loopholes and **45+** feature bugs related customer escalated incident.

**TEAMLEASE SERVICES LIMITED — Software Engineer**                        **Feb 2021 – Nov 2021**
*Java*                                                                             *Gurgaon, India*

- Worked with Team that provide solution for **Credit Management and Recovery** to American Express.
- Worked on **MuleSoft's Anypoint Plateform** using its connector implemented API to transfer files from **SFTP** to **S3** storage and if new file uploaded or modified existing file on SFTP than send automated mail.
- Worked on **AWS** services like **Lambda, S3,** and **dynamodb** to provide solution for data transfer and monitoring.
- Collaborated with team members using version control systems such as **SVN** to organize modifications and tasks on **JIRA**.

## PROJECTS

**Ticket Price Calculator App** | *Java, Android Studio*                           **January 2021**

- Created an Android application using Java and Android Studio to calculate ticket prices for trips.
- Processed user inputted information in the back-end of the app to return a subtotal price based on the tickets selected.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

**Transaction Management CLI** | *CPP, Visual Studio Code*                         **October 2020**

- Designed a sample banking transaction system using CPP to simulate the common functions of using a bank account.
- CLI Based application supports actions such as creating an account, deposit, withdraw, list all acounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.