

# RAJA RAM SHARMA

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ArbitCode

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New Delhi, India

## EXPERIENCE

### Software Engineer 2

#### IBM, ISDL (India Systems Development Lab)

Oct 2024 – Ongoing

India

- Implementing customer managed policies that can attach to entities (IAM users, IAM groups, and IAM Roles).
- Contributed pull requests (C++, Python) to the open-source Ceph organization: View PRs.
- Developed AWS-compatible IAM APIs (e.g., *GetAccountSummary*, *GetCallerIdentity*) to support identity validation and permission introspection for enterprise clients.
- Implemented the *RemoveClientIDFromOpenIDConnectProvider* IAM API in RGW to allow dynamic client ID management for OIDC providers.
- Implemented integration tests (Python) to validate IAM APIs, improving automated test coverage and upstream compatibility standards.

### Software Engineer

#### OpenText

Nov 2021 – Oct 2024

Bangalore, India

- Implemented ZDB and IR techniques features utilize mirror and snapshot technologies of disk-based arrays. Create, at high speed, a copy of the data to be backed up and then perform backup operations on the copy, rather than on the original data. Restore a backup copy of data, held on the array, to its original location on the array to facilitate high-speed recovery.
- Led the development of granular VM backup and recovery functionality used by 50+ enterprise clients, reducing manual restore efforts by 60% and Implemented multiple REST APIs using Java, JDBC, and PostgreSQL to enable file access for web clients.
- Improved Data Protector's VMware, H3C CAS, and PostgreSQL modules, increasing backup coverage by 30%.
- Developed secure, maintainable C++, Java, and Perl code using design patterns and memory-safe practices.
- Resolved 50+ bugs and loopholes from customer-reported incidents, improving product stability.

### Software Engineer Intern

#### Midland Credit Management

Feb 2021 – Nov 2021

Gurgaon, India

- Built API-based automation on MuleSoft(iPaaS) to transfer over 10,000 files from SFTP to S3 with near real-time alerts, reducing manual operations by 70%.
- Implemented AWS-based back-end workflows using Lambda, S3, and DynamoDB, resulting in 35% improvement in data processing speed.
- Worked as part of a 10-member agile team; delivered 20+ JIRA-tracked tasks.

## CONFERENCE TALKS

### Ceph Days India 2025, Ceph RGW

User Accounts Feature: Enables AWS-compatible IAM APIs for managing users, roles, and policies.

2024

Bangalore, India

## ACHIEVEMENTS

- Won the Smart India Hackathon – the first time in my college. Worked as part of a 5-member team, where I served as the team lead. We developed an Android application for the Ministry of Education, Government of India.
- Secured Rank 3 in the Infosys Digital Make-a-Thon.

## OPEN SOURCE

- Contributor to Ceph (C/C++, Python) – a distributed object storage system.
- Implemented IAM APIs, including Customer-Managed Policies and enhanced OIDC support.

## PROJECTS

### Ticket Price Calculator App

#### Java, Android Studio

- Developed an Android application to calculate trip ticket prices using Java, PostgreSQL, and Android Studio.
- Implemented the UI and backend for the application to support interaction across multiple screens and handle user input.

### Transaction Management CLI

#### C++, Visual Studio

- Developed a sample banking system using C++ to simulate common bank account functionalities.
- A CLI-based application supporting actions such as account creation, deposit, withdrawal, and admin/user management.

## PROFILES

- CodeChef: rajaram\_26
- LeetCode: ArbitCode
- Portfolio: arbitcode.in

## SKILLS

- C++, Core Java, JavaScript
- AWS, MySQL, Git
- Design Patterns, Node.js, React.js

## EDUCATION

### B.Tech - in Computer Science

#### Galgotias University

2017 – 2021

UP, India