

DEEPAK RAJ GOUDA

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Career Objective:

Experienced and trained software developer with a background of successfully creating and maintaining databases and C++. A good object-oriented development and analysis with a history utilizing creativity and natural problem-solving to create unique products and solutions. Outstanding capacity to work both individually and collaboratively.

Professional Summary:

- Effective in leading applications with end-to-end responsibilities using C++, OOP's, STL concept and Client/Server Technologies with exposure to different domains like BFSI and Retailing.
- Experience in Linux for C++, Shell Scripting and Knowledge in python scripting.
- Good understanding of various software development models like Agile and Waterfall.
- Analyzed code to identify and improve performance and contingencies with shared resources.
- Experience in Agile and Scrum methodologies.

Technical Expertise:

Language: C, C++, RUST

Web Technologies: XML, JSON, Bootstrap, tomcat

IDE & Tools: Eclipse, Notepad++, MySql-Workbench, Putty, Anisable, Win Tools Hub, Git, Jira, Clockwork, VNC viewer, Postman, Jasper Studio, SQL Developer, Accurev

Database: SQL, MySQL

Protocol: TCP, UDP

Operating System: Linux Red Hat, Windows

Employment:

Organization: HCL Technologies Ltd (Apr 2024 – Present)

Role: Lead Engineer

Responsibilities:

- Experienced in C++11, C++14, and C++17 modern language features for efficient development.
- Experienced in smart pointers, multithreading, STL, and lambda expressions for optimised code.
- Strong understanding of RAII, move semantics, and constexpr for performance and memory management.
- Use version control tools like Git to manage and collaborate on code development.

- Debugging and performance optimisation using GDB, Valgrind tools.
- Integrate Rust code with other languages if the project requires interoperability using FFI .
- Work with Cargo (Rust's package manager) to manage dependencies and build projects.
- Familiarity with popular crates .
- Understand asynchronous programming.

Environment: C++,Rust,Linux

Organization: CustomerXps software pvt Ltd (Nov 2019 – Apr 2024)

Role: Software Engineer

Responsibilities:

- Integrate C++ modules with external libraries, APIs, and system services.
- Address platform-specific issues in Windows, Linux or embedded systems.
- Integrate C++ modules with external libraries, APIs, and system services.
- Manage dynamic memory effectively to avoid memory leaks, dangling pointers, and fragmentation.
- Use smart pointers, RAII (Resource Acquisition Is Initialisation), and custom allocators where necessary.
- Stay updated with the latest C++ standards, libraries (STL, Boost), and best practices.
- created use of Rust's ownership model to improve memory usage and application performance.
- created multi-threaded applications that increased throughput while ensuring data security.
- Rust was integrated with impact C++ systems to enhance performance and enable smooth upgrades.
- Designing and implementing database schema, tables, indexes, views, and constraints based on business requirements.
- Manage project code with tools like Git.

Environment: C++,Linux,Rust, MySQL.

Education and academic activities:

- Embedded Systems, Vector India, Chennai (February 2019)
- Bachelor in Technology (Roland Institute Of Technology), under BPUT ODISHA with Percentage of 65%

Deepak Raj Gouda