Adarsh Singh Chauhan

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Github   Leetcode   GeeksForGeeks Codechef

Professional Summary

Experienced software engineer with 4+ years specializing in C/C++ programming and Linux systems. Proven expertise in designing, developing, and testing complex C++ applications with a strong background in SQL and database optimization. Skilled in unit testing and cross-functional collaboration to deliver high-quality, reliable solutions. Solved 1200+ C++ problems across various coding platforms, demonstrating strong problem solving abilities and algorithmic thinking.

Experience

Oracle   May 2022 – October 2024
Member of Technical Staff   *Bengaluru, Karnataka*

- Raised and resolved 50+ critical bugs, analyzed and addressed code issues, resulting in a 20% improvement in the stability of key system areas and saved fellow developer's effort.
- Developed and refined complex SQL, Bash, Java, and C/C++ scripts, enhancing system efficiency and ensuring code reliability and compatibility on all environments.
- Specialized in optimizing In-Memory DB operations, managing SQL Execution workflows, and ensuring seamless Data Management and Compatibility within Oracle RDBMS environments on various platforms.
- Tested OS specific 140+ client scenarios locally using remote database in Client - server architecture.
- Managed quarterly Shiptest release for Oracle 12c and 18c, ensuring smooth database performance in the latest client environments by testing latest release update for opatch and JDK.
- Optimized complex SQL queries and managed In-Memory DB operations to enhance database performance in high-demand Oracle environments.
- Developed a tool in python to automate the process of testing/verification/update for the LRGs having issues in latest RU,Checked if the issues are seen for the first time in this RU or they known issues and seen in any of the previous quarter RUs as well.
- **Tools/Skills:** PL/SQL, Linux, Version Control System, Debugging, Oracle Database, Scripting

Axtria - Ingenious Insights   Sep 2020 – May 2022
Associate   *Noida, UP*

- Utilized Salesforce and Excel to generate detailed offline and online reports, automating data entry processes to improve efficiency and accuracy in Salesforce-driven workflows
- Developed and optimized SQL queries to extract, transform, and load (ETL) data using Salesforce Talend software for data analysis, planning, testing and reporting.
- **Tools/Skills:** Excel, SQL, ETL, Salesforce Talend, Python

Education

Indian Institute of Information Technology, Allahabad   2018 - 2020
Masters of Technology in Information Technology (CGPA: 8.16 / 10)   *Allahabad, UP*

- **Relevant Coursework:** Data Structures and Algorithms , Blockchain, Computer Networks, Internet Protocol, Cryptography, Network Security,Operating Systems, Database Management System, Computer Networks, Programming in C, Cyber Laws and information Security

Technical Skills

Languages: C, C++, STL, bash, SQL, PL/SQL (**Moderate**), HTML, CSS, ASP.NET, JAVA, Python (**Basics**)
Databases: MySQL , SQL Server, Oracle, Performance tuning
Concepts: Compiler, Operating System, Linux, Encryption, Docker, Kubernetes, Cloud Computing, Blockchain, Cyber security, IOT, Debugging, Version control, Database administration
Competitive Exams: GATE-18,19,21,22,25(**Max Rank 2606 in 18**) ,JEE Main-14- **169/360** (Rank 42202)

Projects

Authentication Protocol Using Blockchain | *Solidity, Remix IDE, Cloud Computing* | Link
- Implemented a working smart contract in Solidity for authentication of IoT devices using Fog Computing under Blockchain technology.
- The contract allows administrators to manage users, devices, and fog nodes, and it facilitates authentication

ATM Transaction | *Java, JDBC, MySQL* | Link
- Crafted a dynamic ATM simulation as a Windows application utilizing Java Swing and a MySQL database for a seamless banking experience.
- Implemented essential banking functions including account creation, deletion, deposit, withdrawal, and PIN change ensuring a comprehensive user experience.

Event Management System | *ASP.net, SQL Server, .NET Framework* | Link
- Developed a web application for technical festival management in a specific city using the .NET framework, particularly in ASP.NET and VB.NET and integrated SQL Server for data management.
- Designed and implemented features like Registration, Login, informative Home Pages, Add Event, and Delete Event functionalities within a comprehensive web application.

Achievements

Competative Exams : GATE-2018, 2019, 2020, 2021(**Rank 2606 in 2018**) JEE Main-2014: **169/360** (Rank 42202)

Coding Certificates : 1200+ Coding Problems Across Platforms in C++, 3* Codechef, STL, Taught a 30-day course covering 100 Easy-Medium DSA problems in C/C++.

Corporate Achievements : Promoted to Associate from Analyst in 7 months Sep 2020 - March 2021, Received 3 certificates (Achievement, Recognition, Inspiration) for extra-curricular activities by the **VP at Oracle**, Security Aware 2022 Silver by **Oracle**