

WALEED ZAFAR

SYSTEMS DEVELOPER

CONTACT

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SKILLS

SQL, React, Rust, C/C++, Arduino

Front-End Development, Back-End Development, Compiler Design, API Development

Database Design, Optimization, Logical Frameworks, Triadic Logic

EDUCATION

BS Computer Science

University Of Central Panjab

2020-2024

Intermediate in Computer Science

Concordia College

2018-2020

Metric

Sadiq Memorial High School

2016-2018

LANGUAGES

URDU

ENGLISH

PROFILE

Recent Computer Science graduate with expertise in software development and database engineering. Proficient in SQL, React, Rust, and C/C++. Developed innovative projects including a Triadic SQL Database Engine and a custom programming language based on Charles Peirce's Triadic Logic. Skilled in front-end and back-end development, compiler design, API development, and logical frameworks. Passionate about solving complex challenges and contributing to advanced tech projects.

EXPERIENCE

Software Engineer Intern

Carte Blanche

October 2023 – April 2024

- Collaborated with industry professionals to develop an innovative SQL Database Engine based on Charles Peirce's Triadic Logic.
- Built a front-end code editor in React and implemented the SQL compiler and data engine in Rust.
- Developed a server providing APIs and endpoints for the front-end.
- Gained hands-on experience in advanced database solutions and logical frameworks.

PROJECTS

Triadic SQL Database Engine

[Live Demo](#)

Final Year Project

- Developed an innovative SQL Database Engine focusing on logical and mathematical frameworks.
- Inspired by Charles Peirce's Triadic Logic.
- Aimed to pioneer a structured and logical approach to database solutions, enhancing data integrity and efficiency.
- Components include:
 - Front-end code editor built with React.
 - Server providing APIs and endpoints.
 - SQL compiler.
 - Data engine implemented in Rust.

Programming Language Based on Triadic Logic

[Source Code](#)

- Created a custom programming language using C/C++ based on Charles Peirce's Triadic Logic
- Integrated logical frameworks to offer a unique approach to programming.
- Provided more structured and flexible solutions compared to traditional binary logic.
- Developed basic components:
 - Truth values
 - Variables
 - Operators
 - Data structures
 - Including trees