

# Rahul Chowdhury

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## Experience

### Infosys

Nov 2021 – Jan 2024

System Engineer – JavaScript, react, Node.JS, MySQL

Hyderabad, India

- **Project 2: Finacle e-Banking:** Worked as part of the **product maintenance team**, ensuring system stability, high availability, and troubleshooting issues in a high-demand, 24/7 environment.
- Enhanced and maintained the **Finacle e-banking platform** using **JavaScript (ES6)** and **React.js**, improving front-end functionality, scalability, and optimizing load times to enhance user experience.
- Managed **production deployments**, performed **source code updates**, integrated **REST APIs**, and utilized **MySQL** for efficient data management, ensuring smooth operation and performance.
- Developed **Node.js-based REST APIs** and implemented **user authentication and authorization** using **JWT tokens**, streamlining communication between internal systems, enhancing backend performance, and ensuring secure access to sensitive banking data.
- Optimized backend performance by refactoring code, improving database queries, and implementing best practices, resulting in faster transaction processing and improved system responsiveness.
- **Project 1: Finacle Alerts:** Resolved critical issues within the **Finacle Alerts** system, leveraging **JavaScript** for source code modifications and **SQL** for database checks, ensuring alignment with project requirements.
- Led the migration of legacy systems to a modern **Node.js environment**, significantly improving system scalability, maintainability, and reducing technical debt while enhancing the overall architecture.

## Technical Skills

- **Programming Languages:** JavaScript, C++
- **Front-end Technologies:** React.js, Redux, HTML, CSS
- **Back-end Technologies:** Node.js
- **Databases:** SQL, MySQL, Oracle DB
- **Version Control:** Git, GitHub
- **Core Subjects:** OOPS, Data Structures

## Projects

### Self-Portfolio | HTML, CSS, JavaScript

GitHub

- Created a personal portfolio website to showcase web design fundamentals, skills, and various projects. Designed with a clean and responsive layout to highlight my front-end development abilities.
- Implemented interactive sections with smooth animations and transitions to enhance user experience.

### Drum Kit | HTML, CSS, JavaScript

GitHub

- Developed a virtual drum machine that allows users to play percussion instruments using a PC keyboard or mouse, providing an interactive music experience.
- Styled the interface with a clean, user-friendly layout, integrated key press & mouse functionality to trigger sounds.

### Dice Game | HTML, CSS, JavaScript

GitHub

- Built an interactive dice game where users roll dice and receive random outcomes with a dynamic user interface.
- Added a reset feature to restart the game, improving user interaction and gameplay experience.

## Achievements

- **Client visit** to New Delhi for 1 month (May 2023) to support project delivery.
- Runner-up in **Inter-Campus Cricket Championship** at Infosys Hyderabad (2022).
- Engaged as a **Professional Gamer** for the WFL team from 2017 to 2019.
- Acted as an **Executive Member** of the Robotics Society at Asansol Engineering College.

## Education

Asansol Engineering College, West Bengal  
**Bachelor of Technology**

July 2016 - Sept 2020  
**DGPA : 6.79**