

# Souvik Roy

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## Experience

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### DemandFarm

Product Solution Engineer | 07/2022 - Present

#### Slack Automation Bot

- Engineered a **node.js**-based CLI tool utilizing **MySQL**, **Axios**, **Yargs**, and **Console.Table** to retrieve integration status and user login tracking metrics and format data for human consumption.
- Created a custom Slack bot utilizing Slack API to push real-time error messages and login alerts, reducing errors by 20% and increasing productivity by 8%.
- Reduced daily manual checks and error tracking time by 24 hours with JavaScript script and API endpoint for retrieving logs.

#### Two-way Integration software

- Used **TypeScript**, **Node.js**, and **webhooks** on **Amazon AWS** to develop a two-way integration between KAM and the customer's CRM system.
- Streamlined database management and improved data consistency by implementing **Sequelize ORM**, resulting in an 80% reduction in database errors and a 43% reduction in database calls.
- Utilized webhooks to enable real-time data synchronization, reducing data entry errors by 25% and improving customer satisfaction by 10%.

#### Account Central Admin Component

- Developed a user management **REST API** using **Spring Boot** and **PostgreSQL**, ensuring the accuracy and consistency of user data from design to production.
- Designed an intuitive admin interface for our Key Account Management application using **React**, **Chakra UI**, and dynamic JSON components, improving user experience.
- Implemented an efficient infinite scroll feature for the user list, reducing search time by 20%.

## Projects

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### Crypto Trading Bot

- Created a desktop crypto trading application with a user-friendly UI and integrated **REST** and **Web socket** APIs to enable real-time data fetching, which transformed into a 15% increase in trading accuracy.
- Utilized the **Tkinter** library to design an intuitive interface, resulting in a 20% decrease in user errors.
- Added a preference tracking feature using **sqlite3** to monitor and record user preferences, resolving a 25% improvement in trading experience.

### CRUD Application

- Implemented a **Spring Boot** backend and **HTML/CSS/JavaScript** frontend for a data management application.
- Utilized RESTful API endpoints and **Thymeleaf** for server-side rendering, resulting in enriched user experience.
- Incorporated client-side validation using JavaScript and enhanced the interface with CSS. Reduced data management time by 30% and improved data accuracy by 20%.

## Skills

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C++, JavaScript, node.js, SQL, HTML5, CSS3, Typescript, React, Git, C, Java

## Education

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- Bachelor of Technology in Computer Science from Siliguri Institute of Technology, CGPA: 8.4/10.0, 2018-2022.
- 12th Standard in Computer Science from Air Force School Bagdogra, Percentage: 71.4%, 2017.
- 10th Standard from Saint Alphonsa School, Percentage: 81.2%, 2015.