

# SHUBHAM RAUT

## Backend Developer

Backend Developer skilled in Node.js, MongoDB, PostgreSQL and AWS with expertise in secure APIs, real-time systems, and trading automation. 4+ years in Pine Script & MQL4 for algorithmic trading.



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## WORK EXPERIENCE

### Algorithmic Development & Trading Automation Pine Script (4 years) | MQL4 (8 months) Freelancer

12/2020 - Present

pune

#### Achievements/Tasks

- Designed and developed 100+ custom trading algorithms and **indicators** in Pine Script.
- Automated trading execution in **MetaTrader** (MQL4) integrated with **TradingView** alerts.
- Implemented **order management** systems with stop-loss, take-profit, and position sizing logic.
- Worked with **APIs, webhooks, and real-time data** for automated trade execution.
- Optimized strategy performance through backtesting, data analysis, and code refactoring.
- Developed Expert Advisors (EAs), custom indicators, and scripts for MetaTrader 4.

## SKILLS

JavaScript

NodeJS

ExpressJS

MongoDB

SQL

PostgreSQL

Socket.IO

Sequelize (ORM)

AWS RDS,EC2,S3

Typescript

Postman

HTML

CSS

Pinescript

MQL4

## PERSONAL PROJECTS

### Online Turf & Team Booking Platform

- **Technologies Used** : Node JS , Express JS , Sequelize , bcrypt , HTML , CSS , JS , Postgresql
- **Github link** : <https://github.com/shubhs7799/online-turf-booking-platform>
- Developed a comprehensive sports facility booking system with **role-based authentication**.
- Implemented atomic database transactions preventing double bookings using PostgreSQL.
- Built **RESTful APIs** with **JWT authentication** and **bcrypt password** security.
- Created responsive UI with Bootstrap 5 and vanilla JavaScript for optimal performance.
- Designed normalized database schema with **complex associations** and foreign key constraints.

### Charity Donation Platform

- **Technologies Used** : Node JS , Express JS , Sequelize (ORM) , JWT , bcrypt , HTML , CSS , JS , Cashfree
- **Github link** : <https://github.com/shubhs7799/Charity-Donation-Platform>
- Created donation platform with secure JWT authentication.
- Implemented charity management (**admin approval, detailed profiles**).
- Built donation workflow with **Cashfree integration**.
- Designed admin dashboard for managing charities and users.

### Expense Tracker

- **Technologies Used** : Node JS , Express JS , Sequelize (ORM) , JWT , bcrypt , HTML , CSS , JS , Cashfree
- **Github link** : <https://github.com/shubhs7799/Expense-Tracker---Node.js-Project>
- Built a full-stack expense management system with JWT authentication.
- Implemented **CRUD operations with pagination** and optimized SQL queries.
- Developed premium features: downloadable reports and leaderboard with ranking.
- Integrated Cashfree Payment Gateway; **deployed on AWS EC2, RDS, S3**.

### Group Chat Application

- **Technologies Used** : Node JS , Express JS , MongoDB , Socket.IO , JWT , bcrypt , HTML , CSS , JS ,
- **Github link** : [https://github.com/shubhs7799/Group\\_Chat\\_App](https://github.com/shubhs7799/Group_Chat_App)
- Implemented group management: create, add/remove/promote members, search users.
- Built **Socket.IO messaging** with typing indicators, system messages, timestamps.

## EDUCATION

### BE Mechanical

JSPM's Rajarshi Shahu College of Engineering

06/2015 - 06/2019

pune