Shubham Raut

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Pune — Maharashtra — 412105 — India

SUMMARY

Backend Developer with hands-on experience in full-stack application development, trading automation, and cloud deployment. Skilled in Node.js, Express.js, PostgreSQL, MongoDB, and AWS. Proficient in designing secure APIs, integrating payment gateways, and building real-time systems. Strong problem-solver with 4+ years of experience in Pine Script and MQL4 for algorithmic trading.

SKILLS

- Programming: JavaScript (ES6+), Node.js, Express.js
- Databases: PostgreSQL, MongoDB, Sequelize, Mongoose
- Security: JWT, bcrypt, Authentication & Authorization
- Real-Time: Socket.IO, WebSockets
- Cloud: AWS (EC2, RDS, S3)
- Other: Git/GitHub, MVC Architecture, REST APIs, CORS
- Payment Gateways: Cashfree, Razorpay
- Trading Automation: Pine Script (4 yrs), MQL4 (1 yr)

PROJECTS

- **Expense Tracker** – Express.js, PostgreSQL, Sequelize, JWT, AWS   2024
  - 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.

- **Charity Donation Platform** – Node.js, SQL, Razorpay, AWS   2024
  - Created donation platform with secure JWT authentication.
  - Implemented charity management (admin approval, detailed profiles).
  - Built donation workflow with Razorpay integration and receipt generation.
  - Designed admin dashboard for managing charities and users.

- **Group Chat Application** – Node.js, MongoDB, Socket.IO, Vanilla JS   2024
  - Developed real-time group chat with JWT login and bcrypt password hashing.
  - Implemented group management: create, add/remove/promote members, search users.
  - Built Socket.IO messaging with typing indicators, system messages, timestamps.
  - Responsive UI with WhatsApp-like design, supporting desktop and mobile.

EXPERIENCE

- **Algorithmic Development & Trading Automation**   Freelance — 2019 – Present
  - Developed 150+ custom indicators and trading strategies in Pine Script (TradingView).
  - Built automated trading bots in MQL4 for MetaTrader, enabling rule-based execution.
  - Improved strategy efficiency by integrating advanced risk management (SL/TP).
  - Optimized algorithms for low latency and higher backtest accuracy.
  - Worked directly with traders to design profitable and reliable trading tools.

EDUCATION

B.E. Mechanical Engineering, JSPM Narhe Technical Campus, Pune (2015-2019) — CGPA: 7.39/10