

MOHAMED NASSAAR M

Software Developer

Chennai, Tamil Nadu

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Open to relocation | Available for sponsorship



PROFILE SUMMARY

Results-driven Backend Developer with over **2+ years of experience** in building and optimizing **scalable, high-performance APIs** using **Node.js, Express.js**, and **PostgreSQL**. Proficient in developing **modular microservices**, implementing **JWT-based security**, and optimizing database performance. Adept at writing **clean, maintainable code** and collaborating in **agile, cross-functional teams** to deliver business-focused backend solutions.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript
- **Frontend Technologies:** HTML5, CSS3, React.js, Hooks, Bootstrap5, Material UI, Axios
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, Microservices, File Handling, Multer, Cron
- **Databases:** PostgreSQL, MySQL, MongoDB, SQLite3, Sequelize (ORM)
- **Devops & Tools:** Git, GitHub, Netlify
- **Testing & Logging Tools:** Jest, Postman, Winston
- **Security:** JSON Web Tokens (JWT), Bcrypt, CORS
- **Development Methodologies:** Agile (Scrum)

PROFESSIONAL EXPERIENCE

Junior Software Engineer | Jan 2023 - Present

Signals & Systems (India) Private Limited - Chennai, Tamil Nadu

A private limited **product based** company

- **Led efforts to identify and resolve performance bottlenecks** in key APIs by optimizing query design and indexing, resulting in **noticeably faster response times during peak usage**.
- **Strengthened backend security** by implementing **JWT-based role authentication** and middleware-level validations, greatly **reducing unauthorized access attempts**.
- **Designed and refined internal job schedulers and error-handling logic**, which significantly **minimized data-processing failures** across scheduled tasks.
- **Collaborated closely with developers and project leads** across departments to deliver **multiple full-stack feature rollouts on time**, aligning with internal business goals.

PROJECTS

➤ Ticket Management System

Jul 2024 - Present

Built an internal ticketing system for managing issues and escalations across multiple departments like **CSD, CRM, R&D, and Production**. Focused on secure, role-based access and automated workflows using cron jobs and RESTful APIs.

- Created APIs for **ticket creation, assignment, status updates**, and **escalations** using **Node.js** and **Express.js**
- Implemented **role-based access control (Admin, Manager, Employee)** using **JWT authentication**
- Designed **PostgreSQL schemas** with relationships for tickets, users, departments, and escalation levels
- Automated **escalation logic** for pending or overdue tickets using **cron jobs**
- Validated user input and actions with custom **middleware** for consistent data handling
- Tested all endpoints and workflows to ensure **reliable ticket lifecycle management**
- Documented API routes, models, and escalation logic to support ongoing improvements

Tech Stack: Node.js, Express.js, PostgreSQL, JSON Web Tokens (JWT), Postman, Restful APIs, Microservices, CORS, Cron

➤ Inventory Management System

Feb 2023 - Jun 2024

Built a backend system for **real-time tracking** of product quantity and pricing during movement from storage to production. Used **custom PostgreSQL functions** and **modular APIs** to handle complex product structures and ensure **data accuracy**.

- Developed **RESTful APIs** using **Node.js** and **Express.js** for inventory integration
- Designed efficient **PostgreSQL schemas** and **functions** to manage multi-variant products
- Enabled **real-time product tracking** and implemented **validation logic** for quantity and cost
- Secured endpoints using **JWT authentication** and custom middleware
- Collaborated with product managers and frontend developers to meet business needs
- Conducted **API testing and debugging** to ensure reliability
- Documented **system architecture** and **data models** for future scaling

Tech Stack: Node.js, Express.js, PostgreSQL, Postgres Function, Postman, Restful APIs, Microservices, JSON Web Tokens (JWT), CORS, Cron

EDUCATION

Bachelor Of Engineering (Computer Science) - Keelakarai, Ramanathapuram, Tamil Nadu
Mohamed Sathak Engineering College
CGPA - 7.9

Aug 2018 - Jul 2022

ACHIEVEMENTS & CERTIFICATIONS

- [Back End Development and APIs](#)
Certification focused on back end development, including API creation.
- [Legacy JavaScript Algorithms and Data Structures](#)
Certification covering fundamental JavaScript algorithms and data structures.