Anima Sahu

Backend Developer with 2.5 years of experience in building secure RESTful APIs using NestJS, Node.js, and PostgreSQL. Skilled in JWT auth, RBAC, and API documentation with Swagger. Experienced in database design, validation, and integrating backend services with frontend apps.

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WORK EXPERIENCE

Capgemini Technology Services India Limited

Software Engineer- Backend   August 2024 - Present

- Developed and maintained RESTful APIs using **NestJS** and **PostgreSQL**, powering a role-based authentication system used by 5,000+ users.
- Integrated **JWT authentication** and **bcrypt password hashing**, improving login security and reducing unauthorized access attempts by **40%**.
- Designed normalized database schemas and implemented queries using **TypeORM**, enhancing data retrieval performance by **30%**.
- Created comprehensive **API documentation with Swagger**, which improved team onboarding speed and reduced API-related queries by **25%**.
- Built admin-level controls for managing users and permissions using **RBAC**, reducing manual admin tasks by **35%**.
- Collaborated with cross-functional teams to debug and integrate APIs, resulting in **20% faster bug resolution** during development sprints.
- Performed rigorous API validation and testing with **class-validator** and **Postman**, increasing test coverage and decreasing production bugs by **15%**.

TECHNICAL SKILLS

- **Languages**: JavaScript (ES6+), TypeScript, Node.js
- **Backend Frameworks**: NestJS, Express.js
- **Database**: PostgreSQL, MongoDB
- **ORM/ODM**: TypeORM, Mongoose
- **Authentication**: JWT, bcrypt
- **API Development**: RESTful APIs, Swagger (OpenAPI), Postman
- **Validation & Security**: class-validator, Role-Based Access Control (RBAC), Input sanitization
- **Version Control & Tools**: Git, GitHub, Postman, Swagger, VS Code

PROJECTS

Role-Based Authentication and User Management System ↗

- Developed a system for user registration, login, and role-based access control using NestJS and PostgreSQL
- Created APIs with JWT authentication and bcrypt for password hashing to ensure security.
- Allowed admins to manage users and restricted regular users to view only their own details.
- Worked with TypeORM, class-validator, and Postman for API testing and efficient development.
- **Tech Stack :** NestJs, PostgreSQL with TypeORM, JWT, bcrypt for hashing, Postman for API testing

EDUCATION

Jalpaiguri Government Engineering College

B.Tech in Computer Science and Engineering - 7.73   September 2019 - June 2022