

Sailesh Tuniki

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Summary

Backend Developer with experience in Node.js, Express.js, TypeScript, and PostgreSQL/MongoDB for building scalable RESTful APIs. Skilled in JWT authentication, SQL query optimization, and Jest testing. AWS Certified Cloud Practitioner with hands-on experience in EC2, S3, RDS, and Lambda. Proven track record in user management systems and e-commerce backend development.

Skills

Backend & APIs: Node.js, Express.js, RESTful APIs, Spring Boot (basic familiarity)

Languages: JavaScript, TypeScript, Java (core fundamentals)

Frameworks & Libraries: React.js, Spring Framework (conceptual), Spring Boot (conceptual)

Databases: PostgreSQL, MySQL, MongoDB

Validation & Testing: express-validator, Jest

Cloud & Tools: AWS (CPC) – EC2, S3, RDS, Lambda, Git, GitHub, Swagger UI, VS Code, Postman

Experience

Backend Developer Intern, Doitup Innovative Technologies Pvt Ltd – Hyderabad

Dec 2024 – Present

- Built College Hierarchy Tree and User Management APIs with Node.js, Express, TypeScript, PostgreSQL, express-validator, JWT, OTP-based resets, soft-deletion, and Jest testing
- Implemented advanced SQL joins and optimized database schemas/queries to improve performance and ensure data integrity
- Collaborated in agile sprints via code reviews, sprint planning, and pair-programming to deliver scalable backend features

Projects

College Hierarchy Tree API

github.com/saileshTuniki/repo

- Built a four-level hierarchical model (Principal→HOD→Professor→Student) in PostgreSQL using multi-table schema and advanced SQL joins.
- Developed RESTful APIs with Node.js, Express, TypeScript, integrated express-validator for input checks, and soft-delete logic.
- Optimized SQL queries, stored procedures, and views; implemented Jest tests for core modules.

Authentication and User Management API

github.com/saileshTuniki/repo

- Implemented secure registration, login, OTP-based password reset, and role-based authorization in Node.js, Express, TypeScript, and PostgreSQL.
- Integrated JWT authentication, express-validator input checks, and soft-delete logic for users and roles.
- Architected modular controllers, middleware, repositories, and interfaces; authored Jest tests to validate authentication flows.

Ecommerce Fashion Shopping Backend API

github.com/saileshTuniki/repo

- Developed Node.js/Express backend services with MongoDB/Mongoose for product catalog, user management, and cart operations.
- Built secure RESTful endpoints with JWT, bcrypt password hashing, and express-validator validation.
- Designed a modular codebase with controllers, routes, and middleware; optimized database queries for performance.

Training & Certifications

JAVA Programming Certification

July 2025

AWS Certified Cloud Practitioner (CPC)

Aug 2025

AWS Cloud Practitioner Training, Magic Bus Foundation

May 2024 – Aug 2024

Full Stack Web Development Innomatics Research Labs

Jan 2023

Education

Bachelor's of Technology - Computer Science and Engineering

2019 - 2022

Jawaharlal Nehru Technological University Hyderabad | GPA - 6.87