

Sailesh Tuniki

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Summary

Backend Developer skilled in Node.js, Express, TypeScript, Java (core), PostgreSQL/MongoDB, and AWS Cloud; familiar with Spring Framework/Boot. Expert at building scalable APIs, optimizing queries, and unit testing.

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/college-hierarchy-api

- 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/auth-api

- 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

- 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

AWS Certified Cloud Practitioner (CPC) Aug 2025

Full Stack Web Development, Back-end development at Innomatics Research Labs Jan 2023

AWS Cloud Practitioner Training, Magic Bus Foundation May 2024 – Aug 2024

Education

Bachelor's of Technology - Computer Science and Engineering 2019 - 2022

Jawaharlal Nehru Technological University Hyderabad | GPA - 6.87