TARUN VM

BACKEND / JAVA FULL STACK DEVELOPER

Chennai | +91 80562 81042 | murugaveltarun.professional@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

Backend-focused Full Stack Developer with hands-on experience building and maintaining secure, scalable web applications using **Java, Spring Boot, MySQL, and MongoDB**. Skilled in designing **RESTful APIs**, implementing **robust exception handling, logging**, and ensuring **API documentation** through Postman. Proficient in deploying applications using **Docker, AWS EC2**, and **Nginx**. Strong problem-solving foundation with a passion for clean code, optimization, and backend architecture.

TECHNICAL SKILLS

- **Backend:** Java (Core), Spring Boot, RESTful API Design, Exception Handling, JWT Authentication, Role-Based Access Control
- **Databases:** MySQL (Joins, Query Optimization, Design), Familiar with MongoDB, H2 (Testing)
- **Frontend:** React.js, TailwindCSS, JavaScript (ES6+), Responsive Web Design
- **Cloud & Tools:** AWS EC2, Docker, Docker Compose, Nginx, SSL/TLS, Postman, Git, GitHub, IntelliJ IDEA, VS Code
- **Competencies:** Backend Development, API Integration, Cloud Deployment, Debugging & Code Review, Agile Workflow, Version Control

PROJECTS & EXPERIENCE

TASK WISER – Full-Stack Task Management System   Sep to Oct - 2025
Live Site | Frontend Documentation | Backend Documentation
Technologies: React, TailwindCSS, Java, Spring Boot, MySQL, Docker, AWS EC2, Nginx, SSL, Vercel

- **Developed and maintained** a scalable **Spring Boot backend** with **27 modular REST APIs** supporting **JWT authentication with refresh tokens**, **OAuth integration**, **task management**, and **admin operations**.
- **Designed and optimized** three **MySQL database schemas** and fine-tuned **Spring Data JPA queries** to improve query performance and response times.
- **Implemented a robust API response model** and a **global exception handler** managing **10+ custom exception types**, ensuring consistent and secure API behavior.
- **Integrated centralized logging** and **error-handling mechanisms** to enhance traceability and debugging efficiency.
- **Documented and tested all APIs** thoroughly using **Postman**, ensuring seamless integration and accuracy with the React frontend.
- **Deployed** the full-stack application on **AWS EC2** using **Docker Compose** and **Nginx reverse proxy**, configured with **HTTPS/SSL certificates** for production-grade security.
- **Implemented pagination and filtering** for user and task endpoints to support efficient large-data handling and searching with **custom parameters**.
- **Built backend-driven statistics APIs**, performing data aggregation server-side to deliver results **2× faster**, optimizing scalability and reducing payload size.
- **Secured user credentials** by hashing passwords with **bcrypt (12 rounds)** following best security practices.
- **Managed over 10 environment variables** centrally for secure configuration, ensuring maintainability and separation of sensitive data.

LOTUS SERVICE ENGINEERING WEBSITE (FREELANCE PROJECT)   Aug - 2025
Live Site

- Designed a **modern, responsive business website** showcasing industrial services.
- Integrated **EmailJS** for direct contact form submissions.
- Deployed with a **custom domain** on cloud hosting for client delivery.
- Ensured cross-browser compatibility and optimized performance.

EDUCATION

VEL TECH UNIVERSITY   Chennai
Bachelor of Biomedical Engineering   Expected Nov 2025
Specialization in Artificial Intelligence in HealthCare
Cumulative GPA: **8.33**/10
Research Publication:"Realtime Cardiac Health Monitoring Using Advanced Embedded Systems"
IEEE ICBSII Conference, 2025 | [Publication Link]