Tarun VM

Backend / Java Full Stack Developer

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LinkedIn | GitHub | Portfolio

EDUCATION

VEL TECH UNIVERSITY
B.Tech in Biomedical Engineering
Specialization: AI in Healthcare
November 2025 | Chennai
CGPA: **8.33** / 10

RESEARCH PUBLICATION

Realtime Cardiac Health Monitoring Using AI-Powered Embedded Systems | IEEE ICBSII, Chennai, 2025 | View IEEE Xplore

LINKS

Github: **github.com/murugaveltarun**
LinkedIn: **linkedin.com/in/murugaveltarun**
Portfolio: **murugaveltarun.vercel.app**

TECHNICAL SKILLS

BACKEND
Java (Core), Spring Boot, REST APIs, Exception Handling, JWT, Role-Based Access Control

DATABASES
MySQL (Joins, Query Optimization, Schema Design), MongoDB, H2

FRONTEND
React.js, TailwindCSS, JavaScript (ES6+), Responsive 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

COURSES

- Java Full Stack with React & Spring Boot | Udemy | 50 hrs | View Certificate
- Complete Full-Stack Web Development Bootcamp | Udemy | 61.5 hrs | View Certificate

SUMMARY

Backend-focused **Full Stack Developer** skilled in building **secure**, **scalable** web applications using Java, **Spring Boot**, **MySQL**, and **MongoDB**. Experienced in designing **RESTful APIs**, implementing **robust exception handling**, and deploying **containerized applications** using **Docker**, **AWS EC2**, and **Nginx**. Passionate about **backend architecture**, **optimization**, and **clean code principles**.

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 a **scalable Spring Boot backend** with **27 REST APIs**, supporting **JWT authentication**, **refresh tokens**, **OAuth**, **task management**, and **admin operations**.
- Designed and optimized **3 MySQL schemas** and fine-tuned **Spring Data JPA queries** to improve **response times**.
- Implemented a **robust API response model** and a **global exception handler** managing **10+ custom exceptions**.
- Integrated **centralized logging** and **error-handling** to enhance **traceability** and **debugging efficiency**.
- Documented and tested all APIs using **Postman** for seamless **React frontend integration**.
- Deployed the application on **AWS EC2** with **Docker Compose** and **Nginx**, configured with **HTTPS/SSL**.
- Implemented **pagination** and **filtering** for **user** and **task endpoints** to support **large-data handling**.
- Built **backend-driven statistics APIs** performing **server-side aggregation**, delivering results **2× faster**.
- Secured **user credentials** by hashing passwords with **bcrypt (12 rounds)**.
- Managed **10+ environment variables** centrally for **secure configuration**, ensuring **maintainability** and **data separation**.

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**.
- Ensured **cross-browser compatibility** and **optimized performance**.

TRAINING & INTERNSHIP

JAVA FULL STACK DEVELOPER | Besant Technologies | Ongoing Internship

- Hands-on training on building **scalable web applications** using **Java**, **Spring Boot**, **MySQL**, and **React**, including implementing **RESTful APIs** and **authentication** in real-world projects.