

# 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](https://github.com/murugaveltarun)

LinkedIn: [linkedin.com/in/murugaveltarun](https://linkedin.com/in/murugaveltarun)

Portfolio: [murugaveltarun.vercel.app](https://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 **2x 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.