GOKULRAJ V

Java Full Stack Developer | Java Developer

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PROFESSIONAL SUMMARY

Java Full Stack Developer with a B.E. in Computer Science and Engineering and hands-on experience building RESTful APIs, database-driven applications, and full-stack applications using Java, Spring Boot, Spring Data JPA, MySQL, JavaScript, and Kotlin. Completed technical training at Zoho Corporation (ZSGS) in Advanced Java, data structures and algorithms, multithreading, debugging, and software development practices. Skilled in role-based access control, JWT authentication, N-tier architecture, unit testing with JUnit 5 and Mockito, Docker, Git, and Linux. Solved 150+ LeetCode problems in Java. Available for immediate joining.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, SQL

Backend: Spring Boot, Spring Data JPA, Spring Security, Hibernate/JPA, JDBC, RESTful APIs, Maven, Multithreading, Exception Handling

Frontend / Full Stack: HTML5, CSS3, JavaScript, DOM Manipulation, Fetch API, CORS, Single-Page Applications (SPA), REST API Integration

Databases: MySQL, Redis, Relational Database Design, Database Normalization, SQL Queries

Security: Role-Based Access Control (RBAC), JWT, BCrypt, SHA-256 Hashing, Authentication and Authorization

Design and Architecture: Object-Oriented Programming (OOP), MVC, MVP, N-tier Architecture, DTO Pattern, REST API Design

Testing: JUnit 5, Mockito, Unit Testing, Mocking, Test Automation

Tools and DevOps: Git, GitHub, Docker, Linux (Ubuntu), Bash Scripting, Postman, MySQL Workbench

Core Concepts: Data Structures and Algorithms, Debugging, Root-Cause Analysis, Technical Documentation

TECHNICAL TRAINING EXPERIENCE

Technical Trainee – Java Full Stack Development

Zoho Corporation (ZSGS) | Jan 2026 – Jun 2026

- Completed intensive training in **Advanced Java**, data structures and algorithms, problem-solving techniques, and application development.
- Developed and integrated **RESTful APIs** using **N-tier architecture** and established backend development best practices.
- Applied systematic debugging, root-cause analysis, exception handling, and **thread-safe programming** in multithreaded project scenarios.
- Used **Docker** development environments to isolate application components and keep development and testing consistent.
- Applied **Git** version control and branching strategies to organize source code and manage development workflows.
- Prepared technical documentation covering system architecture, application components, workflows, and REST API endpoints.

PROJECTS

GMart – Inventory and Billing Management System

Full-Stack Project | May 2026 | github.com/gokulrajvel

Technologies: Java, Spring Boot, Spring Data JPA, MySQL, JavaScript, HTML5, CSS3, Maven, Docker

- Designed and developed an inventory and billing management application with a **Spring Boot REST API** backend and a decoupled JavaScript single-page application frontend.
- Implemented RESTful APIs for core application workflows and **role-based access control (RBAC)** supporting four distinct organizational roles.
- Designed a normalized **MySQL** database with six **JPA entities**, implementing entity relationships, data mapping, transactional integrity, and automated stock timestamp updates.
- Implemented backend authorization and custom routing to control role-based access to application functionality.
- Containerized the Spring Boot application and MySQL database with **Docker**, using separate networked containers for development and deployment workflows.

Yosan – Personal Finance Management App *Full-Stack Project (Ongoing) | 2026 | github.com/yosanfinance-sudo*

Technologies: Java, Spring Boot, Spring Data JPA, MySQL, JavaScript, HTML5, CSS3, Maven, Docker

- Developed a scalable full-stack application featuring a Spring Boot REST API backend and an interactive JavaScript UI.
- Integrated Redis in-memory storage for high-speed caching and user session management, significantly improving application throughput.
- Implemented modular component architecture and DOM manipulation patterns to handle dynamic rendering and client-side data presentation.
- Managed clean code practices, Git version control, and modular backend design across controllers, service layers, and external data stores.

SIET Placement Management System

Academic Project | Mar 2026 – May 2026 | github.com/gokulrajvel

Technologies: Java, MySQL, JDBC, MVP Architecture, DTO Pattern

- Developed a console-based placement management application with separate Student and Faculty portals using **Model-View-Presenter (MVP)** architecture.
- Integrated **MySQL** through **JDBC** and implemented automatic database table initialization at application startup.
- Investigated and debugged database processing errors, query execution problems, and data consistency issues.
- Applied object-oriented programming, DTO-based data handling, and structured design to organize backend functionality.

Redis Cluster Lifecycle Architecture

Personal Project

Technologies: Redis, Docker, Bash Scripting, Linux (Ubuntu)

- Configured a **Redis Cluster** to explore data sharding, hash-slot allocation, and master-replica replication across containerized environments.
- Automated cluster creation, master-replica mapping, and node binding using **Bash** orchestration scripts.
- Configured and tested failover scenarios, including simulated master-node failures, replica promotion, and cluster rebalancing.
- Used **Docker** volumes and isolated virtual networks for data persistence and network separation across cluster components.

Bank ATM Simulator

Personal Project | Mar 2026 | github.com/gokulrajvel

Technologies: HTML5, CSS3, JavaScript

- Developed a browser-based ATM simulator supporting PIN verification, withdrawal processing, balance inquiries, and transaction feedback.
- Applied JavaScript object-oriented programming and DOM manipulation to model account operations and transaction processing.

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science and Engineering

Sri Shakthi Institute of Engineering and Technology, Coimbatore, Tamil Nadu (Anna University Affiliated)

Oct 2021 – May 2025 | CGPA: 7.19 / 10.0

CERTIFICATIONS

- Oracle Java Foundations – Oracle
- Java Programming Masterclass
- HTML5, CSS3 and JavaScript for Beginners
- SQL Intermediate and Basic

PROBLEM SOLVING AND ACTIVITY

- **LeetCode:** Solved 150+ Data Structures and Algorithms problems in Java covering arrays, strings, hash maps, recursion, and dynamic programming.
- **Coding Contests:** Participate in LeetCode biweekly contests to practice algorithmic problem-solving and optimization.
- **GitHub:** 200+ commits across personal projects and repositories.

ADDITIONAL INFORMATION

- **Languages:** Tamil (Native), English (Professional)
- **Availability:** Immediate joining | Open to relocation and remote opportunities