Lavan Bharatha

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Summary

- 2+ years of professional experience in the Software Development Lifecycle (SDLC).
- Hands-on experience developing RESTful APIs and integrating backend services using Spring Boot.
- Proficient in implementing authentication and authorization mechanisms using Spring Security and JWT for securing backend applications.
- Experience in building responsive web applications using Angular 18, HTML5, CSS, Bootstrap 5, and JavaScript.
- Proficient in version control systems, particularly Git, for managing source code and collaborating with teams.
- Experience in working with Microservices architecture and implementing backend services using Spring Boot.
- Strong knowledge of MySQL, including database design, writing optimized queries, and managing relational data using JPA/Hibernate.
- Experience in deploying applications on Apache Tomcat and working with cloud-based environments.
- Hands-on experience with IDEs like Spring Tool Suite (STS) and Visual Studio Code (VSCode) for efficient development.
- Familiar with AI technologies, including ChatGPT and DeepSeek AI, for enhancing software development workflows and automation.
- Strong problem-solving skills, ability to work in a team-oriented environment, and effective communication with stakeholders.

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Education

Bachelors in Civil Engineering

Kakatiya University of Engineering and Technology | GPA: 7.5

Diploma in Civil Engineering

Government Polytechnic, Masab Tank | Percentage: 88%

Technical Skills

Programming Languages: Java

Frontend Technologies: HTML, CSS, Angular18 and Bootstrap5

Backend Technologies: Spring Boot

Databases: MySQL

Version Control: GIT, GitHub

Operating System: Windows 10/11

Projects

Car Management Website   **(Java, Springboot, Angular18, Bootstrap, MySQL)**

- Developed a responsive web application using Spring Boot (backend) and Angular 18 with Bootstrap (frontend) for buying, selling, and renting cars.
- Built RESTful APIs to manage car data including features and images stored in MySQL.
- Secured the app using Spring Security and JWT; implemented token-based login where users stay authenticated for a set duration without re-entering credentials.
- Tested APIs using Postman and integrated Angular services for smooth frontend data flow.
- Designed reusable UI components for car listings and forms with responsive layouts.
- Enabled image upload and dynamic feature display using custom Angular services.

Fitness Tracker   **(Java, Springboot, Angular18, Bootstrap, MySQL)**

- Built a fitness tracking web application to monitor workouts, steps, and calorie goals using Angular 18 and Spring Boot.
- Integrated JWT-based user login and session tracking to secure personal fitness data.
- Stored workout history and analytics in MySQL, and displayed graphs using Chart.js.
- Developed modular components to add/edit daily workout routines and track progress.
- Designed responsive UI with Bootstrap 5 and Angular Flex Layout for multi-device access.

Employment Management System   **(Java, Springboot, Angular18, Bootstrap, MySQL)**

- Developed a full-stack solution to manage employee records, departments, and attendance using Angular and Spring Boot.
- Implemented REST APIs for CRUD operations with validation and error handling.
- Used MySQL for relational data storage with JPA/Hibernate for ORM mapping.
- Integrated role-based login with JWT to restrict access for admin and HR roles.
- Added data export functionality and custom search filters for efficient data access.

Portfolio Website   **(Angualr18, Bootstrap)**

- Designed a modern, fully responsive portfolio site using Angular 18 and Bootstrap 5.
- Included hero section, tech stack showcase, timeline-style experience section, and animated project gallery.
- Integrated reusable standalone Angular components for clean modular structure.
- Optimized for performance and SEO with lazy loading and structured meta tags.
- Deployed the site on GitHub Pages, highlighting skills, experience, and projects interactively.

Work Experience

Role: Java Full Stack Developer   **(March 2023 – Present)**
Project : T-Mobile

- Developed multiple reusable modules and components in Angular 18 using reactive forms, custom directives, and pipes to enhance UI functionality and maintainability.
- Integrated Spring Boot RESTful APIs with Angular frontend, implementing routing, lazy loading, and RxJS observables for efficient state management.
- Created dynamic and responsive user interfaces using Bootstrap 5, Angular Material, and Angular Flex Layout to ensure a seamless user experience across devices.
- Built secure authentication and authorization flows using JWT tokens, implementing role-based access control on both frontend and backend.
- Developed robust backend services using Spring Boot, exposing REST APIs with proper exception handling using @ControllerAdvice and global error responses.
- Designed relational schemas and integrated MySQL database with JPA and Hibernate for efficient ORM, optimizing queries with indexes and native queries.
- Utilized Lombok for cleaner code, reducing boilerplate in entity and DTO classes.
- Employed Spring Security to secure backend APIs, applying JWT validation mechanisms.
- Tested and documented APIs using Postman and Swagger, ensuring contract clarity and ease of collaboration.
- Maintained clean logging using SLF4J and Logback, with meaningful messages for troubleshooting and production support.
- Deployed backend services to Apache Tomcat, created WAR builds, and configured environments using application.properties.
- Used Git and GitHub for version control and collaboration in Agile environment, participating in sprint planning, reviews, and daily stand-ups.

- Connected Angular frontend to backend asynchronously using HTTPClient with interceptors for token management and error handling.
- Collaborated closely with UI/UX teams to translate wireframes into interactive web interfaces, following responsive design principles.
- Followed SOLID principles and wrote reusable utility classes for common backend functionality.
- Managed backend configurations for multiple environments and built services with Maven for dependency and lifecycle management.
- Conducted peer code reviews and ensured high code quality through consistent formatting, best practices, and documentation updates.

Strengths

- Good leadership qualities
- Flexible and adaptable
- Quick learner
- Communicates effectivelysssss

Personal Details

Name: Bharatha Lavan Kumar
Date of Birth: 9th May 2002
Languages Known: English, Telugu, Hindi
Hobbies: Reading books, Listening to music