Alugala Karthik Kumar

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Professional Summary

Full Stack Java Developer with **3 years of experience** in designing, developing, and deploying web applications using **Java, Spring Boot, Hibernate, Angular and MySQL**. Skilled in building scalable solutions, implementing REST APIs, and integrating front-end and back-end systems. Proficient in Agile methodology and DevOps practices.

Key Skills

- **Programming Languages:** Java, Basics of Python, C Language

- **Frameworks:** Spring Boot, Hibernate, Angular

- **Front-End:** HTML5, CSS3, Bootstrap, JavaScript, Angular

- **Back-End:** Java, Spring Boot, REST APIs

- **Database:** MySQL

- **Version Control:** Git, GitHub

- **Build Tools:** Maven

- **Deployment:** AWS

- **Other:** Agile Scrum

Professional Experience

Full Stack Java Developer
Starlite Infotech Limited. – Rajajinagar, Bengaluru, Karnataka *(July 2022 – Present)*

- Assisted in back-end development using Java, Spring MVC, and Hibernate.

- Participated in bug fixing, testing, and deployment of modules.

- Collaborated with front-end team to integrate APIs.

- Developed scalable web applications using **Java Spring Boot** and **Angular**.

- Designed RESTful APIs and integrated with front-end components for dynamic data rendering.

- Optimized database queries and implemented caching strategies for performance improvements.

- Worked in Agile environment with daily stand-ups and sprint planning.

Academic Details

B. Tech / B.E in [Electronics and Communication Engineering]
CMR Institute of Technology Hyderabad, **Year of Passing: 2022**

Projects

Project: Doctor Appointment Management System
Domain: Healthcare
Duration: 3 years 8 months
Role: Full stack Java Developer

- **Project Brief:**

The Doctor Appointment Management System is a web-based application designed to simplify the process of booking and managing medical appointments. It enables patients to register, search for doctors by specialization, schedule appointments, receive notifications, and make online payments. Doctors can manage their schedules, view patient histories, and update availability. The system also includes admin functionalities for user management, reports, and analytics.

- **Technology Stack:**

  o **Frontend:** HTML, CSS, JavaScript, Bootstrap, Angular

  o **Backend:** Java, Spring Boot, RESTful APIs

  o **Database:** MySQL

  o **Version Control:** Git, GitHub

  o **Tools:** Maven, Eclipse, JIRA

  o **Deployment:** AWS (EC2, RDS)

- **Roles & Responsibilities:**

  o Involved in requirement analysis and prepared technical design documents.

  o Developed responsive UI screens using HTML, CSS, JavaScript, and Angular.

  o Implemented RESTful APIs using Java & Spring Boot for patient, doctor, and appointment modules.

  o Designed and optimized MySQL database schemas for scalability and performance.

  o Integrated authentication & authorization using Spring Security and JWT.

  o Conducted unit testing & integration testing to ensure system stability.

  o Participated in Agile ceremonies (daily stand-ups, sprint planning, retrospectives).

  o Involved in production deployment on AWS EC2 and database migration to RDS.

  o Prepared project documentation and contributed to knowledge transfer sessions.

- **Key Achievements:**

  o Reduced appointment booking time by 40% through efficient API design.

  o Improved application performance by implementing caching and query optimization.

  o Successfully delivered 3 major releases with zero critical defects in production.

Declaration

I hereby declare that the above details are true and correct to the best of my knowledge.

Date:

Place: