Jagan Kotte
Java Full-stack Developer

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Career Objective

I am equipped with both creative flair and analytical prowess. I am eager to embark on a career journey within the dynamic and competitive landscape of technology, where I aspire to contribute as a key player in innovative and challenging environments. With a commitment to excellence and a passion for leveraging cutting-edge solutions, I am poised to make impactful contributions while continuously growing and thriving in this ever-evolving field.

Skills

Technical Skills:

- **Java**: Proficient in Java programming and developing applications using Java SE and Java EE technologies.
- **J2EE**: Skilled in Java Enterprise Edition (J2EE), including Servlets, JSP (JavaServer Pages) for building dynamic web applications.
- **JDBC**: Experienced in JDBC (Java Database Connectivity) for seamless interaction with relational databases, ensuring efficient data retrieval and manipulation.
- **JSP**: Proficient in developing dynamic web pages using JSP (JavaServer Pages), incorporating Java code into HTML for server-side processing and data presentation.
- **HTML**: Strong command of HTML (HyperText Markup Language) for creating structured web pages with semantic markup, ensuring cross-browser compatibility and accessibility.
- **CSS**: Skilled in CSS (Cascading Style Sheets) for designing visually appealing and responsive web interfaces, enhancing user experience across different devices and screen sizes.
- **JavaScript**: Proficient in JavaScript for enabling interactive web functionality and enhancing user interfaces.
- **SQL**: Expertise in SQL (Structured Query Language) for database management and manipulation, proficient in writing complex queries, stored procedures, Triggers, Joins and database optimization.
- **DevOps**: Familiar with DevOps practices and tools, including version control (Git), continuous integration (CI/CD pipelines), and deployment automation, ensuring efficient software development lifecycle management.

Technologies & Tools:

- **EC2 (Amazon Elastic Compute Cloud)**: Proficient in setting up, configuring, and managing scalable virtual servers using Amazon EC2 for deploying and managing applications in a secure and flexible cloud environment.
- **Kubernetes**: Skilled in using Kubernetes enabling automated deployment, scaling, and management of containerized applications across clusters.
- **Docker**: Experienced in Docker for containerization, creating lightweight, portable containers for application deployment, ensuring consistency across development and production environments.
- **Jenkins**: Proficient in Jenkins for continuous integration and continuous deployment (CI/CD), automating the build, test, and deployment processes to streamline the software development lifecycle.
- **Git**: Expertise in version control using Git, efficiently managing codebase changes, branching strategies, and collaborative development workflows, ensuring code integrity and traceability.

Education

Government College For Men Kadapa
BSc in Mathematics, Statistics and Computer Science

Sep 2020 – Jun 2023
CGPA:7.47/10

TECH Junior College Tadipatri
Mathematics, Physics and Chemistry

June 2018 – March 2020
CGPA:6.28/10

ZP High School T. Koduru
10Th Class

June 2017 – March 2018
CGPA:9.2/10

Internships

National Skill Development Corporation, Kadapa   Mar 2023 – June 2023
Internship - Junior Software Developer

Palo Alto Cybersecurity, Kadapa   Sept 2023 - Nov 2023
Intern

Certifications

Besant Technologies (Nov 2023 – Present)
Trained and certified on Java Full-Stack development
• HTML, CSS, JavaScript certification at Besant Technologies.
• Java, Advance Java certification at Besant Technologies.
• My SQL certification at Besant Technologies.

Project Work

Project Title: Trek Registration System for Karnataka Forest Department
I developed a comprehensive web application to streamline the mountain trekking registration process for the Karnataka Forest Department. The project was built using technologies like JDBC, J2EE, JSP, HTML, CSS, JavaScript, and MySQL, and deployed on a Tomcat 11 server. The application enables users to easily register for trekking events, search and view their registration details by inputting their unique registration ID, and cancel their registrations when necessary. I implemented a secure and efficient database management system to handle all user data and trek-related information. The user interface was designed to be intuitive, ensuring a smooth experience for participants, while the backend was optimized for performance and reliability. This project demonstrated my ability to develop full-stack applications that integrate dynamic features, manage user data securely, and provide a responsive and user-friendly interface.

Project Title: Banking Management System Project
Developed a full-featured banking application using Java, JDBC, JSP, and Tomcat server. The project includes user registration, secure login, and various functionalities such as account creation, withdrawal, deposit, money transfer, and transaction history retrieval. Integrated responsive design using HTML, CSS, and JavaScript. Additionally, provided comprehensive bank information and services. Focused on ensuring data integrity and a user-friendly interface.

Project Title: Automated Web Application Deployment using Jenkins and Tomcat
Designed and implemented an automated deployment pipeline for a web application using Jenkins and the Deploy Plugin. Configured Jenkins jobs to build, package, and deploy the application as a WAR file to a Tomcat server. Successfully reduced deployment time from 2 hours to 15 minutes, ensuring a consistent and error-free process. Demonstrated expertise in Jenkins, Tomcat, and continuous deployment methodologies, significantly improving efficiency and reliability.

Project Title: VeeraQtech
As part of the VeeraQtech project, I worked in a Database Administration role, where I utilized SQL to manage and analyze employee data. My primary responsibility was to generate comprehensive reports on employee details, including performance metrics and project outcomes. I developed and optimized complex queries to extract specified data based on various business requirements. Additionally, I was involved in analyzing the employee database to identify trends, monitor project contributions, and ensure data accuracy. I played a key role in refining the database architecture to improve reporting efficiency and supported decision-making by providing data-driven insights. This project not only enhanced my SQL skills but also strengthened my ability to work with large datasets and collaborate with cross-functional teams to deliver precise, actionable reports.
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