GAMYA RITHIKA KOLLA
SOFTWARE DEVELOPER

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SUMMARY

- Accumulated around 4 years of experiences as a Software Developer, show casing proficient in a wide array of programming languages including Java, Python, with a strong understanding of SQL for database management.
- Familiar with OOPS principles to design and implement scalable, maintainable, and efficient software solutions, consistently delivering high-quality code and enhancing system functionality.
- Experienced in working with various database systems such as MySQL, Oracle, MongoDB, and PostgreSQL, ensuring efficient data handling and management.
- Skilled in front-end technologies including HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, JSON, and XML for creating responsive and dynamic user interfaces.
- Well-versed in back-end development frameworks like Spring Boot, Spring MVC, and Hibernate, along with expertise in React JS and Node JS for full-stack application development.
- Familiar with core Java technologies such as JDBC, Servlets, and JavaBeans, enabling seamless integration of front-end and back-end components.
- Proficient in cloud computing platforms like AWS, with hands-on experience in IAM, S3, EC2, Lambda, and CloudWatch for deploying and managing scalable applications.
- Experienced in software development life cycle methodologies including SDLC, Agile, and Waterfall, ensuring timely delivery and quality assurance of projects.
- Skilled in utilizing development tools such as Eclipse, VS Code, Git, GitHub, Apache, Tomcat, MS Visio, Junit, and Jenkins for efficient development, testing, and deployment processes.

TECHNICAL SKILLS

Programming Languages:	Java, Python, C#, SQL.
Databases:	MySQL, Oracle, MongoDB, PostgreSQL.
Web Technologies:	HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, JSON, XML
Frameworks:	Spring Boot, Spring MVC, Spring Security, Hibernate, React JS, Node JS.
J2EE Technologies:	JDBC, Servlets, JavaBeans.
Cloud Technologies:	AWS (IAM, S3, EC2, Lambda, CloudWatch).
Methodologies:	SDLC, Agile, Waterfall
IDE'S:	Eclipse, VS Code.
Version Control:	Git, GitHub
Application Server:	Apache, Tomcat
Build /Other Tools:	MS Visio, Junit, Jenkins.

EDUCATION

University of New Haven   **West Haven, CT**
Master of Science in Computer Science   Jan 2021 – Dec 2022

Institute of Aeronautical Engineering   **Hyderabad, India**
Bachelors of Science in Computer Science   Aug 2016 – May 2020

PROFESSIONAL EXPERIENCE

Software Developer   **Nov 2023 – Current**
Uber, GA

- Spearheaded the development of Uber's ride-matching engine by integrating React JS for the frontend and Spring Boot for the backend services, significantly enhancing performance and scalability.
- Employed HTML5, CSS3/LESS, Bootstrap 4.0, and AJAX to develop and refine the responsive design of the platform, ensuring seamless functionality across all user devices including desktops, tablets, and mobile phones.
- Developed secure, scalable RESTful APIs using Spring Boot to manage rides, user interactions, and transactions, incorporating OAuth 2.0 to safeguard user authentication and data privacy.
- Optimized queries within Oracle database for ride-sharing data, achieving a significant reduction in data retrieval times and enhancing overall system efficiency.
- Utilized inheritance and polymorphism to create flexible and extendable code structures, enabling code reuse and reducing redundancy.
- Managed and improved continuous integration and deployment processes using Jenkins and Docker, streamlining updates and deployments to the platform, ensuring high uptime and quick rollouts of new features.

Software Developer   **Feb 2023 – Oct 2023**
BCBS, GA

- Developed and maintained enterprise-level web applications for healthcare using Java, Spring Boot, and Spring MVC, ensuring high performance, scalability, and security.
- Applied OOPS principles to design modular and reusable software systems, ensuring high cohesion and low coupling between components.
- Implemented database solutions using SQL Queries and MySQL in healthcare environments, creating 50 complex queries and optimizing database performance for efficient data retrieval and storage.
- Utilized front-end technologies such as HTML, CSS, JavaScript, Bootstrap, and jQuery to build responsive and user-friendly web interfaces for healthcare applications, enhancing user engagement and reducing bounce rates.

- Employed JDBC for secure and efficient database connectivity in healthcare systems, ensuring reliable data transactions between applications and databases.
- Managed and configured AWS services in healthcare settings, including IAM for secure user access management and S3 for scalable storage solutions, supporting cloud-based healthcare applications and improving data accessibility.
- Followed Software Development Life Cycle (SDLC) methodologies, specifically tailored for healthcare software projects, to ensure systematic planning, development, testing, and deployment, resulting in 10 high-quality deliverables.
- Utilized Eclipse for efficient coding and debugging, managed version control with Git, and maintained Apache servers for optimal web hosting in healthcare environments, achieving increased development efficiency and minimizing server-related issues.
- Implemented data governance practices in healthcare applications to ensure compliance with regulatory requirements and maintain data integrity and confidentiality across systems.
- Created technical documentation and system architecture diagrams using MS Visio to visualize healthcare system workflows and facilitate better understanding and communication among healthcare professionals and IT teams.

Software Developer   **Jun 2019 – Dec 2020**
Trigent, India
- Contributed to the development of a high-performance web application component, leveraging Hibernate for efficient data management and business logic implementation, resulting in faster data retrieval, increased application speed, and resolving performance bottlenecks related to online and in-store data integration.
- Implemented optimized SQL queries for PostgreSQL databases, enhancing data integrity, performance, and flexibility, thereby improving database performance, scalability, and supporting seamless integration of customer data from online and in-store sources.
- Developed dynamic and responsive user interfaces for the component using reusable React.js components and efficient state management, enhancing user interaction speed, reducing page load time, and improving the overall experience for customers switching between online and in-store shopping.
- Enhanced user experience by incorporating jQuery and AJAX for asynchronous data retrieval and dynamic content updates without page reloads, enabling smoother and more interactive functionality within the component and facilitating real-time updates between online and in-store systems.
- Worked with JSON and XML data formats for data exchange between the component and other systems, ensuring compatibility, reducing data exchange errors, and facilitating seamless data integration essential for supporting Omni-channel shopping.
- Implemented various design patterns in OOPS, such as Singleton, Factory, and Observer, to solve common software design problems and improve code readability and maintainability.
- Assisted in deploying and managing the component on AWS, utilizing services such as EC2 for scalable compute capacity, Lambda for serverless functions, and CloudWatch for monitoring and logging, ensuring high availability and efficient resource management.
- Configured and maintained Apache Tomcat servers for hosting the component's Java web applications, ensuring optimal performance, uptime, and addressing specific server management and deployment challenges for the component.
- Implemented JUnit unit tests to ensure the component's code quality, catch bugs early, significantly reducing post-deployment defects, and increasing software maintainability.
- Collaborated with cross-functional teams in Agile environments, actively participating in sprint planning, daily stand-ups, and retrospectives, facilitating timely delivery of the component within project timelines, and enhancing team collaboration and project management.

Front End Developer Intern   **Dec 2018 – May 2019**
Espire, India
- Developed responsive and visually appealing user interfaces using HTML, CSS, JavaScript, and Bootstrap, ensuring cross-browser compatibility and accessibility, contributing to improved user engagement metrics.
- Integrated dynamic functionality into web applications using jQuery, enhancing user interactions and overall user experience under the guidance of senior developers.
- Used Git for version control and collaborated with team members using VS Code, supporting efficient code management and integration of new features into ongoing projects.
- Employed MongoDB for storing and managing unstructured data, optimizing data retrieval and storage processes to enhance application performance.
- Implemented JavaBeans for encapsulating application data, contributing to the modularity and maintainability of frontend code, and assisting in reducing time required for updates and maintenance tasks.
- Collaborated with backend developers to consume RESTful APIs and display data within frontend components, ensuring data consistency and integrity, and gaining practical experience in data handling and integration practices.

PROJECTS

Real-time Interactive Chat Application
- Programmed and deployed a real-time interactive chat server on Heroku Cloud in which a user can enroll and add people as contacts and start a conversation.

Gesture Recognition System
- Engineered a system for recognizing gestures through computer vision methods, enabling the interpretation of hand movements as actionable commands.

Traffic Management System with AI
- Created an AI-driven traffic control system aimed at enhancing traffic circulation and alleviating congestion in metropolitan regions.