HEENA BEGUM MOHAMMAD
Senior Software Engineer

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Visionary Senior Software Engineer with 6+ years of experience, excelling in Java coding to craft robust backend solutions and intuitive user interfaces. Agile advocate and DevOps enthusiast committed to optimizing workflows and exceeding client expectations.

AREAS OF EXPERTISE

Programming & Framework: Java 8+, Spring MVC, Spring Boot, Struts, Hibernate, Microservices, Restful APIs, Apache Kafka, GraphQL
UI Technologies & Database: JavaScript, jQuery, NodeJS, Angular8+, React JS, JPA, HTML5, CSS3, MYSQL, Oracle, MongoDB, PostgresSQL
Testing Tools & Devops: Junit, Mockito, Postman, AWS (EC2, S3, EKS, IAM, CloudWatch), Docker, Kubernetes, JWT, OAuth, Terraform
Build Tools & Others: Maven, Gradle, Splunk, Sonar, CICD Jenkins, Git, Bitbucket, SOAP, XML, JSON, Apache tomcat, WebSphere, JBoss

CERTIFICATIONS/AWARDS

- Spring Boot 2.0 Certification – LinkedIn, 2024
- Git Essential Training – LinkedIn, 2024
- AWS Certified Solutions Architect – Associate – Pursuing
- Software Engineering 101 – Udemy 2023
- Champ Award – DXC Tech 2021
- Star of AVM – 2019, Java Champion – 2018 Cognizant

ACADEMIC EXPERIENCE

Wichita State University| Under Professor Dr. Rajiv Bagai   **Kansas, USA**
Project: Secure Keyword Searches in Multi-Cloud Data Storage   *August 2023 – May 2024*
- Owned and executed an application from scratch using Java and Spring Boot that implements trapdoor-based keyword searches within a multi-cloud data storage environment, enhancing data confidentiality and reducing data exposure by 40%.
- Secured transmission of encrypted documents and trapdoors to multiple AWS cloud servers, significantly minimizing data exposure and aligning with secure cloud computing practices, resulting in a 35% increase in data protection.

PROFESSIONAL EXPERIENCE

DXC TECHNOLOGIES |Client – The Guardian Life   **Hyderabad, India**
Senior Software Engineer   *February 2020 – December 2022*
- Championed agile scrum teams in the design and implementation of RESTful APIs throughout the software development lifecycle, achieving 99.99% uptime in production environments.
- Supervised and led a team of junior developers on the Guardian Life Cycle Insurance Platform, optimizing policy management through Microservices architecture and Restful APIs with Kafka streaming, reducing response time by 30% and Conducted Code reviews.
- Scaled platform to handle 50,000+ concurrent users, ensuring 99.9% uptime and improving efficiency in managing insurance policies.
- Integrated Angular UI for dynamic front-end user experiences, resulting in a 30% increase in user engagement and satisfaction.
- Deployed AWS Step functions to enhance the scalability of Guardian life which resulted in a 30% improvement in response times.
- Utilized Docker and Kubernetes for containerization and orchestration, ensuring seamless deployment and scalability of microservices, reducing deployment times by 40% and enhancing system reliability.

COGNIZANT TECHNOLOGY SOLUTIONS | Client – Houghton Mifflin Harcourt   **Hyderabad, India**
Senior Software Engineer   *November 2018-February 2020*
- Created learning management systems integrating Java design patterns, Spring Boot and React JS, supporting 100,000+ learners and fostering passionate, curious learners.
- Enhanced API service performance from 55 to 10 seconds by executing multithreading/asynchronous solutions via Spring to meet 20+ industry SLOs.
- Implemented Ping Identity's OAuth2 and JWT for SSO and identity federation in the HMH digital learning platform, enabling seamless and secure user authentication across diverse web applications and services.
- Leveraged AWS RDS for PostgreSQL, ensuring data durability and compliance with data retention policies, resulting in improved system reliability and data integrity.
- Achieved 85 percent code coverage, implementing rigorous unit tests using Junit and Mockito and coordinated seamless continuous integration and deployment using Jenkins, aligning with company standards.

COGNIZANT TECHNOLOGY SOLUTIONS | Client – Walt Disney   **Chennai, India**
Software Engineer   *December 2016-September 2018*
- Led the implementation of Disney Guest Experience Integration Initiative, optimizing guest services and operations, and elevating the overall guest experience at Disney resorts worldwide.
- Utilized MongoDB as the database backend to store resident information, preferences, and feedback data, reducing data retrieval time by 50% and enabling flexible data modeling.
- Integrated GraphQL to deliver real-time personalized experiences, increasing guest satisfaction by 25% and capturing the essence of Disney magic. Implemented AWS Lambda functions, reducing server costs by 20% while improving application performance.
- Reduced the risk of improperly processing banking files by 100% and maintained the same processing time by improving the file processing algorithm.

S&P Global   **Hyderabad, India**
Backend Java Developer Intern   *January 2016-November 2016*
- Leveraged Java 8/11 features such as lambda expressions and streams to optimize logic, resulting in a 30% reduction in code.
- Utilized Struts and Hibernate ORM framework for efficient management of data, improving database query performance by 25%.
- Achieved a 30% reduction in the app's memory consumption by eliminating duplicate strings via Garbage collection Logs analysis.
- Solved financial intelligence problems, ensuring data integrity and security compliance for credit ratings, benchmarks, and financial research tools globally.

EDUCATION

Master's in Computer Science | Wichita State University | Wichita, KS, USA | CGPA: 4.0/4.0   *January 2023 – May 2024*
Bachelor's in Electronics & Communication Engineering | JNTUH | Hyderabad, India | Percentage: 84/100   *May 2012 – May 2016*