MANASA GANGUMALLA
Software Engineer

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Technically sophisticated professional with 6 years of innovation and success

Professional Summary

Dynamic Software Engineer with a solid 6-year track record in the software development lifecycle, from analysis and design to development and testing. Expert in Agile, Waterfall, and TDD methodologies, with a robust portfolio in Java, Kotlin, and Android application development. Proven capability in enhancing application performance, user experience, and integrating advanced technological solutions.

Technical Skills

Languages & Frameworks: Java, Kotlin, JavaScript, Spring Boot, Hibernate
Development Tools: Android Studio, IntelliJ IDEA, Git, Gradle, JIRA
Database Management: Azure SQL, Apache Cassandra, MySQL, Oracle
Testing & QA: JUnit, Mockito, Apache JMeter, Dynatrace
Cloud Services: AWS, Firebase, Microsoft Azure
Web Technologies: HTML, CSS, jQuery, RESTful APIs, GraphQL

Professional Experience

Software Engineer | Full-Time | Walmart Inc., Bentonville, AR, USA | Nov 2018 – Present
Sumo - SDK (Kotlin, Android, Dagger, FCM, MQTT, SQLite, JUnit, Mockito):
- Led the end-to-end development of the Sumo SDK, from conceptualization to deployment, ensuring alignment with business objectives and seamless integration into existing systems.
- Drove cross-functional collaboration with product management, UX/UI designers, and other engineering teams to define project scopes, set timelines, and prioritize tasks, resulting in the on-time delivery of SDK services.
- Implemented strategic performance optimizations, enhancing application responsiveness by 25% and reducing crash rates by 30%, significantly improving user satisfaction and engagement.

Sumo - Backend (Java, Spring Boot, Azure SQL, Kafka):
- Orchestrated the transition to microservices architecture, leading to a 20% increase in application scalability and a 40% improvement in maintenance efficiency, directly supporting business scalability objectives.
- Championed the adoption of GraphQL APIs, optimizing data exchange processes and reducing bandwidth usage by 40%, thereby meeting key performance indicators for system efficiency and cost reduction.

Push-To-Talk (Java, Android, MQTT):
- Pioneered the development of real-time communication features, enhancing team collaboration and operational efficiency in high-stakes environments, and contributing to a 15% increase in project team productivity.
- Employed a proactive approach to problem-solving, identifying and addressing potential bottlenecks early in the development cycle, ensuring project milestones were met ahead of schedule.

PlanIT (Java, Android, JUnit, Mockito, SQLite, Cassandra):
- Spearheaded the PlanIT application project, overseeing all phases from initial design to final implementation, focusing on creating a robust and user-friendly native Android application.
- Conducted strategic planning and analysis to understand user requirements and business goals, leading to the development of key features that enhanced operational efficiency and user engagement.
- Optimized application performance by integrating advanced data management and media streaming technologies, resulting in a 35% improvement in load times and a 25% increase in user retention.

Java Developer | Contract | Apple, Sunnyvale, CA, USA | Aug 2017 – Nov 2018
Feedback Application (Java, Spring Boot, JSP, Hibernate):
- Managed the end-to-end development of the Feedback application, ensuring GDPR compliance and meeting Apple's stringent security and privacy standards.
- Facilitated cross-disciplinary teams, coordinating efforts between developers, designers, and compliance experts to deliver a comprehensive solution that enhanced user trust and satisfaction.

- Implemented innovative data processing and security measures, significantly improving the application's ability to handle sensitive user feedback while maintaining high performance and compliance with international data protection regulations.

Graduate Assistant | University of Wyoming, Laramie, WY, USA | Jan 2015 – Dec 2016
Teaching and Research Support:
- Provided academic support as a teaching assistant, contributing to the development of curriculum materials and innovative teaching strategies that improved student understanding and performance in computer science courses.
- Engaged in research projects focusing on Resource Bond Measure and Minimum Circuit Size Problems, applying advanced computational theories, and contributing to the department's research goals.

Web Administrator | MILAAP - Indian Student Organization, University of Wyoming | Mar 2015 – Dec 2016
Website Management and UI/UX Enhancement:
- Led the redesign and management of the MILAAP organization's website, enhancing user experience and engagement through intuitive design and streamlined navigation.
- Collaborated with team members to gather requirements and feedback, implementing changes that resulted in a 50% increase in website traffic and improved user satisfaction.

Java Project Intern | Internship | CMC Ltd, Hyderabad, TG, India | Dec 2012 – Feb 2013
Online Crime Reporting Portal:
- Contributed to the development of a web-based crime reporting portal, enhancing public access to law enforcement resources, and streamlining the complaint management process.
- Implemented user-friendly interfaces and secure data management practices, leading to increased public engagement and a more efficient complaint resolution process.

Education

Master of Science in Computer Science
University of Wyoming, Laramie, WY, USA

Bachelor of Technology in Information Technology
Jawaharlal Nehru Technological University, Hyderabad, Telangana, India
- Received an award of merit for best academic performance.