**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.