SAI SRINIVAS LAKKAKULA, MS, CMPE

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GUIDING FRONT-END AND BACK-END SOFTWARE DEVELOPMENT SOLUTIONS

Solution-oriented Software Development Engineer with 5+ years of industry experience and specialized experience in Marketing and AdTech, particularly in automating ad campaign processes and optimizing system performance. Known for collaborative leadership and adaptability, led Meta campaign automation at Walmart, achieving a 3.6 ROAS and driving substantial engagement and conversion rates for sellers. Skilled in designing scalable, cloud-based APIs and reducing data pipeline latency by 40%, ensuring efficient, data-driven decision-making. Committed to delivering innovative, high-impact solutions that align with strategic goals and enhance team performance.

KEY AREAS OF QUALIFICATION

Software Architecture & Design Patterns ◆ Cloud Services (AWS) ◆ Responsive Web Design ◆ Web Security & Encryption
Test-Driven Development ◆ Computer Architecture ◆ Large Scale Enterprise Distributed Systems ◆ Software Engineering
Object Oriented Programming ◆ Agile Methodologies ◆ Data Processing, Structures, Systems ◆ Technology Integration

PROFESSIONAL EXPERIENCE

Walmart Global Tech ◆ Sunnyvale, CA ◆ 2024

SOFTWARE DEVELOPMENT ENGINEER

- **Automated Meta campaign creation** and management within Walmart's seller center, achieving a 3.6 ROAS and increasing campaign creation by 35-40%, contributing to a 2-4% boost in site traffic and enhancing seller engagement.

- **Developed a data pipeline** to extract, transform, and load Meta campaign performance metrics into Google BigQuery tables, enabling seamless data integration and reporting.

- **Optimized API performance** by implementing an Airflow DAG and Spark connector to sync BigQuery data into MySQL, reducing latency by **40%** and ensuring faster data retrieval for front-end clients.

- **Architected scalable API solutions** using Java Spring Boot, enabling advanced query capabilities and real-time access to campaign performance metrics for front-end clients.

- **Developed and maintained scalable data pipelines** (DMAS) that integrated catalog and product data with Meta's real-time data streaming platform, enabling seamless data exchange for analytics and billing across multiple channels.

Amazon Web Services ◆ East Palo Alto, CA ◆ 2023

SOFTWARE DEVELOPMENT ENGINEER

Pioneered development of APIs engineered to streamline database migration processes. Led creation and seamless integration of microservices, catering to diverse range of functions, such as safeguarding databases, facilitating recoveries, fortifying security through patching, orchestrating log management, and optimizing performance via meticulous monitoring metrics. Develop cutting-edge Java-based asynchronous stored procedures, empowering Java to mastermind complex file operations.

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- Spearheaded expansion of AWS RDS's engine repertoire, introducing IBM DB2 engine, increasing **client satisfaction by 20%.**

- Elevated efficiency of the RDS DB2 Host Manager Service by orchestrating systematic transfer of local logs to AWS CloudWatch at regular intervals, **yielding 80% reduction in disk space consumption**.

- **Saved 10 hours of manual labor per week** by enabling swift transitions from on premise systems to RDS DB2 via S3 buckets within two weeks.

- **Consistently achieved a 95% success rate** in resolving customer issues, surpassing industry standards and enhancing product quality**.**

Capgemini Technology Services ◆ Chennai, Tamil Nadu ◆ 2017 to 2020

SOFTWARE DEVELOPMENT ENGINEER

Received nomination for the Aegis Graham Bell Tech Innovation Award in 2020 for mastering creation PHP APIs for the next-gen 'Namaste Capgemini' mobile app. Developed MY360, a cloud-based Full-Stack web application that enhanced talent and resources management and achieved 50% boost in speed at organizational level.

- Revolutionized code review processes by crafting ANTLR and Java code checker tailored for venerable COBOL programming language**, resultantly slashing manual code review time by 78%, freeing up valuable resources for more strategic endeavors.**

- Spearheaded Legacy Code Analysis for diverse Banking and Insurance clients through proprietary CAP360 In-house application, which **led to identifying and mitigating 85% of technical debt, yielding substantial MIPS optimization and cost reduction, ultimately enhancing overall operational efficiency.**

- **Drove 70% surge in efficiency across organization's logistics operations within two weeks** by leading creation of Namaste Capgemini mobile app.

EDUCATION

Master of Science Computer Engineering, San Jose State University (2022)
Bachelor of Technology Electronics Engineering, Bapatla Engineering College (2017)

TECHNICAL SKILLS

Java, Spring Framework, Spring Boot, React.js, Node.js, Express, Redux, MongoDB, MySQL, Apache Kafka, Python, Spark, Apache Airflow, Google BigQuery AWS RDS, CI/CD, Distributed Computing, Jenkins, Maven/Gradle, Data Structures, Algorithms, OOP, JUnit, Easy Mock/ Mockito, Micro Services, REST API, graphQL

ACADEMIC PROJECTS

- **Uber Eats Website Clone:** Designed and implemented online restaurant order management system (OMS) based on Uber Eats using React, Node, Express, MongoDB, AWS EC2, achieving 75% replica functionality, showcasing advanced system design and development skills.

- **Created My Smart Cal, a cloud-based public calendar in 12 months**: serving as system architect, scheduling and appointment management for freelancers and clients and empowered users to specify services, enhancing productivity and time management while bridging gap between service providers and employers and streamlining work processes.