

VENKATA NAGA KRISHNA VAMSI DAMA

Senior Software Engineer

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Executive Profile

- Leading and heading entire gamut of software development activities which includes requirement gathering, coding, design, testing, development and deployment / implementation.
- Documenting and maintaining low / high level designs and documents for new features.
- Participating in review meetings with the team to discuss about the progress of projects as well as for identifying gaps and suggesting effective solutions for the same.
- Attending daily stand-up calls with the clients and providing estimations & number of story points for user stories during sprint in Agile.
- Maintaining coordination between cross-functional/ onsite and offsite teams for ensuring delivery of the project.

Technical Purview

Programming Languages: C, C++, Java 8, Java 11, Python, Data Structures, Scala

Java Frameworks: Spring Boot, Spring MVC, Spring Security, Hibernate

Data Bases: Mysql, MongoDB, Postgres SQL

Data Streaming Frameworks: Apache Kafka, Apache Flink, Apache Spark

Elastic Stack: Elastic Search, Kibana, Grafana

Web Technologies: Angular 4, HTML5, CSS4, Bootstrap

Scripting Languages: Javascript, Typescript

Operating Systems: Windows 11, Basic LINUX, Mac OS

Career Summary

Meticulous Software Engineer with 5.8 years of experience designing, testing and developing software solutions. In-depth understanding of backend technologies with a focus on delivering innovative business solutions. Excels in a fast-paced, high-energy and deadline-driven environment with a willingness to take on additional tasks.

Professional Experience

Senior Software Engineer

Paytm

📅 August 2021 - Present 📍 Bengaluru

Instaproxy: Secure Payment Gateway for Banks and Institutions

- Integrated **8+ banks and 2+ card institutions** into Instaproxy's payment ecosystem. This expansion led to a significant increase in transaction volume, with **an average of 10,000 additional transactions per day** across the integrated institutions.
- Successfully integrated **PayU Aggregator that underwent 20% reduction in payment** processing time and **TechProcess Aggregator** integration **attracted 50 new merchants such as Maxlife Insurance** and more to the platform.
- Involved in **Paytm Postpaid Subscription feature rollout**. Within the first month, **8,000+ users adopted this feature**, resulting in a 15% increase in transaction frequency among subscribers.
- Collaborated with **cross-functional teams to integrate Paytm EMI services**. The EMI option became popular, accounting for **12% of total transaction value** within the first quarter of implementation.
- Updated **UPI handling APIs without any downtime**. During the update, 99.9% of UPI transactions remained uninterrupted, ensuring smooth payments for users.
- Seamlessly **migrated 20 million Bank Card bins** into recharges vertical. The migration resulted in a **40% reduction in Credit card bill payment transaction failure rates**, benefiting both users and the organization.
- Successfully migrated internal modules to Spring Boot. **The transition reduced response times by 30%**, leading to improved user experience and increased system reliability.
- Payment failures haunted Instaproxy like mischievous gremlins. Armed with error logs, I embarked on a quest to reduce these incidents. The result? A **15% reduction in payment-related errors**. Fewer frustrated users, fewer support tickets.

Technologies/Tools Used:

Java 8, Spring MVC, Spring Boot, Apache Kafka, Mysql, AWS EC2 Instance, Kibana, Grafana, Redash.

Strengths

★ Problem Solving

Developed solutions for complex problems resulting in a 30% increase in efficiency.

👥 Teamwork

Collaborated with cross-functional teams resulting in successful project completion within deadline.

🔍 Attention to Detail

Implemented rigorous testing methodologies resulting in 99% error-free code.

Notable Accomplishments

- Received the **Paytm Rockstar** award for **successfully migrating 20 million Card Bin numbers** into the Recharges vertical.
- Achieved **Paytm Rising star** award for completion of **Mastercard Send 2.0** upgradation which enhanced the user experience in **Credit Card Bill Payments**.
- Worked as Owner of small and medium sized tasks and delivered the same while mentoring and helping team members.
- Successfully **cleared the TCS Internal Digital Assessment Exam** in the first attempt that demonstrated proficiency in relevant skills and knowledge, contributing to professional growth.

Educational Details

- B.Tech. (Computer Science & Engineering)** from **SRKR Engineering College**, Bhimavaram in 2018 with **8.34 CGPA**.
- 12th from **Narayana Junior College**, Vijayawada in 2014 with **97.90%**.
- 10th from **St. John's English Medium High School**, Karempudi in 2012 with **9.7GPA**.

MARS: Merchant Alerting and Recovery System

- Created **22 Success Rate (SR)**, **transaction drop alerts** and **11 system-level alerts** with various combinations that **automatically detect and recover using payment gateway transactions**. It got reduced manual intervention significantly, resulting in an impressive 99.9% uptime for payment services.
- Processed **transaction data for 200,000+ merchants** and achieved an average **95% accuracy rate** in **calculating monthly rental amounts**. Timely rental billing, accurate financial reporting, and improved merchant satisfaction and minimizing disputes.
- Shared **daily, weekly, and monthly transaction data** with the dashboard team. They Enables **data-driven decision-making, visualized trends, and facilitated business insights**. We reduced data retrieval time by 30%, allowing faster dashboard updates.
- Delivered 5+ customized Grafana dashboards** for high-profile merchants (e.g., **Dominos, Flipkart**). There by **providing Real-time monitoring, performance tracking, and personalized insights** for merchant partners.

Technologies/Tools Used:

Java 11, Spring MVC, Spring Boot, Apache Kafka, Apache Spark, Apache Flink, PostgreSQL, Elastic Search DB, AWS EC2 Instance, Kibana, Grafana, Redash.

Systems Engineer

Tata Research Development and Design Center

📅 June 2018 – July 2021 📍 Pune

Tappy: A Well-being Platform

- Tappy has been adopted by regional educational institutions and UK NHS who validates its relevance and impact on mental health awareness.
- Successfully **implemented Google ReCAPTCHA** to prevent bot attacks that **reduced fraudulent form submissions by 90%**, ensuring data integrity and user experience.
- Integrated Firebase** to send **push notifications**. Users receive daily wellbeing nudges, resulting in increased engagement and awareness.
- Worked closely with **data science teams on 3 AI model iterations**. Improved **image/voice/text recognition accuracy by 15%**, enhancing user interactions.
- Implemented GDPR compliance**. Users can now securely download and delete their personal information as needed.

Technologies/Tools Used:

Java 8, Spring MVC, Spring Security, Spring Boot, Apache Kafka, PostgreSQL, MongoDB, Angular 4, HTML5, CSS4, Bootstrap, Google Cloud Platform(GCP).

Academic Projects

- Hospital Management System**: provide information about various hospitals in the nearby location. It provides result based on the availability of doctors.
- Retail Banking System**: provides Customer Base Expansion, Money Deposit, Withdrawal, Money Transfer functionalities.