Yashwanth Krishna

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TECHNICAL SKILLS

Languages:	*Java, Python, JavaScript*
Databases & Search :	*SQL, MongoDB, NoSQL, Elasticsearch, Redis*
Frameworks	*Spring Boot, React, Hibernate, Gradle, Maven*
Systems & Engineering :	*Microservices, Distributed Systems, Data Structures, Design Patterns, End-to-End Development, Linux, REST*
Messaging & Security :	*Kafka, RabbitMQ, JWT, OAuth2*
Cloud Tools:	*AWS (EC2, S3, Lambda), Docker, Kubernetes, CI/CD, GitHub Actions*

WORK EXPERIENCE

Winon Wings - *Software Engineer*   ***Aug 2022 - Jan 2026***

- Developed an **event-driven order processing system** supporting 100–150 orders/min with 99.5% uptime, reducing average order confirmation latency from **3.2s to 1.3s (60%** improvement**)** using Springboot, PostgreSQL, and Elasticsearch
- Built a **multi-tenant payment orchestration platform** processing **$100K** monthly order value and **2K transactions/day** across 3 PSPs (Razorpay, Stripe, PayU), achieving **99.5%** payment success rate and eliminating duplicate charge issues using Redis-based idempotency keys.
- Implemented **distributed saga orchestration,** coordinating 5 to 6 microservices with less than **300ms** inter-service latency, reliably processing 10K daily transactions with automated compensation handling for failed workflows.
- Designed a **real-time inventory reservation system** using **Redis distributed locks** and **optimistic locking (PostgreSQL versioning)** to handle **800–1,200** concurrent reservation requests, eliminating overselling during peak traffic and improving inventory accuracy from **95% to 99%**.

TCS (Client - Apple) - *Software Developer & ML Engineer*   ***Mar 2021 - Aug 2022***

- Built **backend service** processing **50K+ daily chat transcripts** using Java and Spring Boot, exposing **NLP-based classification** APIs with sub-second latency. Improved throughput using Redis caching and connection pooling to handle **10K requests/hour** during peak traffic.
- Designed **advisor-assignment engine** using rule-based matching algorithms, routing **15K+** daily support requests via RabbitMQ queues, improving average response time by **35%,** and reducing advisor idle time by **20%**.
- Contributed to a high-throughput data processing pipeline handling **2M+ daily messages** using **Apache Airflow** for orchestration, **HDFS** for storage, and **Spark** for batch processing across a multi-stage workflow.
- Optimized **backend processing logic** using **Java ExecutorService** for parallel execution and PostgreSQL incremental checkpointing, increasing throughput by **≈2x** and reducing manual operational overhead with checkpoint recovery**.**
- Developed an **issue detection service** in Python, analyzing 100K+ monthly VOC case notes, implementing structured logging with ELK Stack and MySQL, improving processing stability and observability for enterprise support workflows.

Applied AI - *Software Developer Intern*   ***Jun 2020- Nov 2020***

- Developed AWS-based tagging and forecasting utilities using Python and AWS Lambda/S3, automating metadata classification and improving dataset labeling turnaround time by ≈30%.
- Automated Google Classroom grading workflows using Selenium-based scripts, reducing manual grading effort and saving 8–10 hours/week for instructors.

Big Basket - *Data Analyst Intern*   ***Feb 2019 - Apr 2019***

- Built a customer churn prediction model using SVM on clickstream and transactional datasets (≈1M+ records), achieving ≈75–80% classification accuracy and identifying high-risk customer segments for targeted retention campaigns.
- Automated data extraction and reporting from Last Mile Analytics dashboards using Python and BeautifulSoup, generating monthly sales and membership reports, and reducing manual reporting effort by ≈40%.

PROJECTS

E-Commerce Microservices API| *Java, Spring Boot, PostgreSQL, Redis, Kafka, Docker*

- Built a microservices-based system with REST APIs, relational storage, caching, and event-driven communication, enabling efficient inventory and order handling

Employee Management System | *Java, Spring Boot, MySQL, Docker*
- Developed a role-based employee management platform with secure CRUD operations, authentication, and containerized deployment using Docker for consistent environments.

CERTIFICATIONS

Scaler Academy (Software Development Training) | **Data Scientist Nanodegree** | **Deep Learning Nanodegree**

EDUCATION

Ramaiah Institute Of Technology   **Bengaluru, IN**
*B.E in Electronics and Communication **(CGPA: 9/10)***   **Aug. 2015 – Aug 2019**
• **Courses:** Web Development, Database Management Systems, Algorithms, Machine Learning, NLP.