

Yashwanth Krishna

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TECHNICAL SKILLS

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

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 **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 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

B.E in Electronics and Communication (CGPA: 9/10)

Bengaluru, IN

Aug. 2015 – Aug 2019

- Courses: Web Development, Database Management Systems, Algorithms, Machine Learning, NLP.