Yasha Srinivas

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EDUCATION

Masters of Science in Data Science   GPA – 3.9

Illinois Institute of Technology, Chicago, IL

Bachelor of Engineering in Computer Science and Engineering
Visveswaraya Technological University, Bengaluru, India   GPA – 3.9

SKILLS

AI & Multi-Agent Foundations:	RAG (Retrieval-Augmented Generation), Vector Databases, Knowledge Bases, Search Indexes, LLM Landscape, Model Context Protocol (MCP), Multi-Agent Systems Concepts
Data Integration & Architecture:	Event-Driven Architecture, Pub/Sub, Message Queues, Real-Time Data Flow Management, Microservices, API Development (REST, Webhooks), ETL/ELT, SOA, SOAP
Cloud & Platforms:	Azure Service Bus, AWS (Lambda, S3, EC2), Snowflake, Cloud Data Lakes, Jenkins, Docker, Git, GitLab
Security & Governance:	OAuth 2.0, OpenID Connect, SAML, Data Governance, JSON, XML
Programming & Databases:	Java, SQL, Python, MongoDB, R, SQL Server, Oracle

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PROFESSIONAL EXPERIENCE

Integration Analyst   Jan 2024 – Present
Hub Group Inc., Chicago IL

- Engineered real-time data validation pipelines to strengthen data governance and detect anomalies, improving enterprise system reliability and cross-system data flow integrity.
- Architected scalable enterprise integration services, increasing transaction throughput by 60% and reducing latency across distributed system endpoints.
- Redesigned data validation and transformation frameworks, cutting QA cycle time by 30% and improving schema consistency across upstream and downstream enterprise
- Built event-driven integration patterns for asynchronous messaging, improving workflow modularity and increasing reuse of integration components by 50%.
- Developed secure RESTful backend APIs and listener services to orchestrate data movement between cloud and on-prem applications, enabling seamless enterprise integration.
- Designed enterprise disaster recovery with automated replication and rollback, achieving 99%+ system availability across mission-critical backend
- Engineered resilient error-handling and resubmission orchestration for 8M+ daily transactions, enabling rapid recovery and higher backend data
- Architected enterprise-scale data pipeline infrastructure processing 500K+ financial transaction files daily using event-driven schedulers and

Software Engineer   June 2020 – Aug 2022
Apisero Inc., Bengaluru

- Delivered 50+ API integrations enabling automated enterprise logging and eliminating legacy manual processes for major clients (CBRE, TRC), improving operational efficiency
- Created API-driven real-time validation workflows with backend architecture improvements, increasing data availability and complian
- Optimized backend API automation and migration strategies during platform modernization effort, reducing manual processing overhead by 40%.
- Successfully executed three large-scale platform migrations using automated migration tooling, ensuring seamless
- Implemented CI/CD pipelines using industry-standard build and containerization tools, improving deployment accelerating release velocity.
- Delivered 20+ technical workshops on integration modernization, backend patterns, and enterprise best practices for

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ACADEMIC PROJECTS

NLP-Based User-Item Segmentation Using BERT & DeepFM - *Python*   *Data Science Practicum*
- Built scalable backend services processing recommendation logic with high accuracy optimization for enterprise user-item segmentation
- Developed robust backend systems integrating advanced model inference and data processing pipelines.

Financial Risk Detection via Gradient Boosting - *Python*   *Machine Learning*
- Engineered high-performance classification service (98% accuracy) automating credit risk decisioning,

improving operational efficiency and risk

Soil Analysis of Tropical Cameroon & Equatorial Guinea - *R*   *Applied Statistics*
- Architected data processing pipeline for analytical soil assessment, reducing manual processes and streamlining operational

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