Pavan Raj Dasari

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PROFESSIONAL SUMMARY

Software Engineer with **5+ years** building reliable, high-scale distributed systems using C# and event-driven architectures. Strong fundamentals in **Data Structures, Algorithms, Design Patterns, and System Design**. Expert in designing observability infrastructure and real-time stream processing platforms handling **1M+ daily events**. Core focus areas: system reliability at scale (**99.99% availability**, SLOs/SLIs), performance optimization (P99 latency), and building customer-facing solutions that reduce **MTTR by 40%+**.

TECHNICAL SKILLS

Languages	C#, .NET Core 8, .NET Framework, JavaScript/TypeScript, Python, Java, Node.js
Distributed Systems	Kafka, Azure Service Bus, Event-Driven Architecture, Microservices, gRPC, REST APIs, Redis, Producer-Consumer Patterns
Cloud & DevOps	Azure (AKS, Functions, Event Hub, Cosmos DB), Kubernetes, Docker, CI/CD (Jenkins, Azure DevOps), Infrastructure as Code
Observability	Splunk, Azure App Insights, Dynatrace, Centralized Logging, Distributed Tracing, SLOs/SLIs, Metrics & Alerting
Data & Storage	SQL Server, T-SQL, PostgreSQL, Cosmos DB, Redis, Elasticsearch
Frontend	React.js, Angular, TypeScript, Flutter, HTML5/CSS3, Responsive Design

PROFESSIONAL EXPERIENCE

Software Engineer II   June 2024 - Present
First Horizon Bank | Memphis, TN

- Own backend services for enterprise banking platform serving **1.3M customers** across 420+ branches, ensuring **99.99% data consistency** for mission-critical transactions that directly impact customer trust and regulatory compliance.
- Architected event-driven payment system with Kafka achieving **<100ms P99 latency**, enabling real-time payment confirmations that improved customer satisfaction scores. Redis caching reduced checkout wait times by **30%** during peak banking hours.
- Led AKS migration cutting infrastructure costs by **$200K+ annually**, redirecting savings to customer-facing product features. Reduced deployment time from 4 hours to **45 minutes**, enabling faster delivery of security patches and customer-requested enhancements.
- Optimized transaction processing throughput by **40%**, directly reducing customer wait times for wire transfers and bill payments during high-volume periods.
- Built observability platform reducing **MTTR by 40%**, minimizing customer-facing outages during peak banking hours and ensuring branch operations remain uninterrupted.

- Lead technical design sessions balancing engineering excellence with business timelines. Mentor junior engineers on secure coding practices critical for financial data protection.

Software Engineer (Contract)   January 2024 - March 2024
Walmart Global Tech | Bentonville, AR

- Optimized pharmacy platform APIs serving **1M+ patients** across 4,600+ locations, reducing prescription lookup latency by **20%** — directly improving pharmacist efficiency and reducing patient wait times during peak flu season demand.
- Built observability infrastructure reducing **MTTD by 60%**, enabling faster resolution of prescription fulfillment issues that directly impacted patient medication access.

Software Engineer   May 2019 - July 2022
Keka HR | Hyderabad, India

- Led monolith-to-microservices migration for HR SaaS serving **2M+ users**, enabling faster feature delivery that helped win 3 enterprise contracts worth **$500K+ ARR**. Zero-downtime deployments eliminated customer disruption during business hours.
- Architected real-time analytics processing **1M+ daily events**, giving HR teams instant visibility into workforce trends. Reduced dashboard load times from 30s to **200ms**, directly improving daily workflow for 10K+ HR professionals.
- Built public APIs handling **50K+ daily requests**, enabling customer integrations with payroll and benefits providers — a key differentiator in enterprise sales cycles.
- Spearheaded mobile app driving adoption from 20K to **140K users in 2 months**, enabling field employees to access pay stubs and request time-off remotely — a feature that became a top customer-requested capability.
- Achieved **99.9% availability** for payroll processing, ensuring 2M+ employees received accurate, on-time paychecks — the most business-critical HR function.
- Led team of 4 engineers and mentored 10+ interns, building engineering culture that reduced onboarding time by 50% and improved team velocity.

EDUCATION

Master of Science in Computer Science
Missouri University of Science and Technology, Rolla, MO
GPA: 3.8/4.0 | August 2022 - December 2023

Bachelor of Technology in Computer Science
Jawaharlal Nehru Technological University, Kakinada, India
2016 - 2020

RECOGNITION

★ **Rockstar Rookie** – Exceptional new hire performance

★ **Leading from the Front (2021)** – Mobile platform leadership

★ **Innovation Award (2021)** – Developer productivity tooling