ANKUR ANUBHAV

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SUMMARY

Software Engineer with 5+ years designing and scaling enterprise applications, leading cross-functional teams to deliver high-impact solutions. Skilled in Azure, AWS, Docker, CI/CD, and infrastructure-as-code, with expertise in resilient microservices, API ecosystems, and automated workflows. Proven leader in building high-performance engineering cultures that consistently deliver reliable, business-critical products.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, C#, .NET Core
Testing & Quality Tools: Postman, JIRA, Fiddler, JMeter
Web Technologies: ReactJS, Redux, AuthZ/AuthN, AJAX, JSON, XML, API, HTML, CSS, JWT
Cloud & DevOps: Azure, AWS, Docker, Kubernetes, Helm, CI/CD, Jenkins, Terraform, Ansible
Database: MySQL, PostgreSQL, NoSQL, Elasticsearch, Kibana, Redis, SQL Server
Quality & Performance: Unit Testing, Application Performance Tuning, A/B Testing, Code Quality Analysis, Log Analysis
Methodologies: Agile, Scrum, Git, Distributed Systems, Microservices, Automation, Event Driven Architecture

EXPERIENCE

Software Engineer   **September 2024 - Present**
CarOffer (CarGurus Company)   **Addison, Texas**

- Spearheaded the development of platform scalable Single Page Applications in C# and MySQL powering OEM nationwide lease inventory across US with high data throughput, generating $500,000+ annual revenue
- Optimized vehicle certification service by integrating Elasticsearch into existing metadata ingestion workflow based on SQL Server, leveraging single-shard design for data integrity lowering search latency and scaling query response
- Engineered a ReactJS tagging framework to capture consumer transaction stages, integrated with a backend API streaming data into Snowflake, enabling metric resolution for over 100 site KPIs on churn and turnaround rates
- Collaborated with Data Engineering and Product teams to design scalable backend workflows and responsive front-end navigation using JavaScript frameworks, driving 8% boost in user engagement and aligning business goals

Senior Software Engineer   **August 2022 - September 2024**
Cityon System   **Dallas, Texas**

- Architected and delivered scalable C# service integrating with AWS SP-API to automate order and inventory workflows, achieving **100%** automation and $120K+ in annual cost savings
- Led cloud migration of FTP services from legacy on-prem servers to CData ARC cloud, addressing performance degradation from shared resource contention and improving system reliability by 14%
- Built fault-tolerant C# modules handling 10K+ requests/day with automated recovery (idempotent queues and backoffs) integrating notification mechanism to improve reliability resulting in $100,000 savings
- Implemented persistent-connection feature in inventory management service removing repetitive DB open/close overhead and increasing throughput by 14%, enabling scalable, high-volume transaction processing

Programmer Analyst   **June 2019 - August 2022**
Cityon System   **Plano, Texas**

- Automated warehouse-selection service using Google Distance Matrix API to dynamically optimize multi-warehouse shipping routes, lowering manual intervention and operational costs by 23%
- Developed SaaS order fulfillment microservice with consolidated API orchestration streamlining order processing
- Designed and developed intelligent fulfillment system delivering continuous, high-volume order processing isolating invalid EDI records, flagging errors and preventing file-level processing failures

CERTIFICATIONS

AZ-204 Developing Solutions for Microsoft Azure   **November 2021**
AZ-900 Microsoft Azure Fundamentals   **April 2021**

EDUCATION

Master's of Science, Industrial and Systems Engineering   **January 2017 – December 2018**
North Carolina State University   **Raleigh, NC**

Bachelor's of Engineering (B.E), Mechanical Engineering   **July 2012 – May 2016**
Birla Institute of Technology   **India**