Yogesh Vishwakarma

Senior Software Engineer

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Professional Experience

Senior Software Engineer at Dezerv Jul 2024 - Present

- As part of the Transact team, handled building and maintaining large-scale, distributed, scalable microservices, handling up to **1M+** transactions per day with high consistency and low fault tolerance in fast-paced, Agile environments.
- Eliminated a 72-hour manual process of money withdrawal & switch by developing a role-based ticketing system with RBAC, streamlining workflows, improving process visibility and reducing turnaround time by **90.3%** using **Java**.
- Led and designed the Account Closure module for PMS Clients, using **Go** and **Kubernetes**, streamlining monitoring, approvals and improving processing time by **50%**.
- Built a comprehensive approval workflow system for transactional tickets, resulting in faster resolutions with an average approval turnaround time reduction of **99.65%** and enhanced transparency to upper management.
- Designed and implemented a Systematic Transfer Plan (STP) service for PMS Clients using **AWS** Step Functions and **Go**, reducing 6–8 hours of manual processing to around 2 min (**98% reduction**).
- Mentored junior engineers through weekly code reviews and pair programming, integrating unit testing and establishing team-wide coding standards and production-grade Code, improved code quality, reducing production defects by **35%**.

Software Engineer - 2 at Ace Turtle Jan 2022 - Jul 2024

- Led the architecture design of Warehouse Management System, utilising event-driven architecture, using **Node.js**, **AWS** & **MongoDB**, streamlined operations and resulting in a **76%** improvement in inventory stockup time.
- Created a robust batch processing library for file uploads using **AWS S3 Bucket**, **DynamoDB**, **Redis**, and **Node.js**, enabling concurrent handling of rows in batches and reducing the processing time by **65%**.
- Optimised the inventory management system, which handles **1M+** daily interactions, reducing synchronisation lag by around 42% while improving consistency using techniques like global cache (Redis) and CQRS architecture.
- Developed a high-availability ditributed rate-limiter using **Redis**, resulting in an operational cost reduction by **87%**.
- Accelerated core business logic processing using **Java** and drools, achieving a **47%** reduction in processing time.

Software Engineer at Tredence Aug 2020 - Jan 2022

- Owned and managed a high-impact data pipeline for an inventory forecasting system using AI with the help of Azure Data Factory and **Python**, catalysing a remarkable **36%** surge in sales.
- Executed seamless data migration through ETL pipelines in Azure Data Factory and DataBricks, coupled with strategic **SQL** Stored Procedures enabling near real-time reports (3-hour delay).

Education

National Institute of Technology Surathkal (NIT), Karnataka Jul 2016 – Jun 2020

B.Tech.(Bachelor of Technology) in IT *Surathkal, India*

Programming Skills

Languages: Java, Go, Python, JavaScript, C++, SQL

Technologies: Git, Spring-boot, MongoDB, Docker, Kubernetes, Redis, Node.js, DynamoDB, AWS

Concepts: System Design, Software Architecture, REST API, LLD, Design Patterns, Database, OS, Unit testing, GraphQL, Data Structures & Algorithms (DSA), MEAN, Object-oriented Design (OOPS), Debugging, Agile (CI/CD), Microservices

Projects

Plagiarism Spotter (GitHub)

- Created an application for precise plagiarism detection, delivering an accuracy of **99%** on distinct file contents.
- Achieved near O(n) time complexity utilising advanced algorithms like Rabin-Karp and Aho-Corasick.