Yogesh Vishwakarma – Software Engineer II

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Professional Experience

Software Engineer II at Dezerv Jul 2024 - Present

- Designed and implemented a Systematic Transfer Plan (STP) service for PMS Clients using **AWS** Step Functions, reducing 6–8 hours of manual processing to around 2 min (**98% reduction**).
- Owned and designed the Account Closure module in CRM for PMS Transactions, streamlining client strategy closure and improving monitoring efficiency by **60%**.
- Eliminated a 72-hour manual withdrawal & switch process by developing a role-based ticketing system with granular access controls (RBAC), streamlining workflows, improving status visibility and reducing turnaround by **90.3%**.
- 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.
- Reduced production defects by 35% by addressing inconsistent coding practices—establishing team-wide coding standards and mentoring junior engineers through weekly code reviews and pair programming.
- Created a Gmail Service with Go, which streamlined authentication and concurrently parsed email data, slashing data processing duration by **86.7%** and accelerating data extraction by reducing manual interventions.
- Integrated a centralized data access layer with denormalization pipeline with **MongoDB** & **Kubernetes**, resolving data consistency & latency issues, improving data retrieval speed by **70%** using **multi-threaded** processing.

Senior Software Engineer at Ace Turtle Jan 2022 - Jul 2024

- Led the end-to-end development of a Warehouse Management System utilising event-driven architecture, using **Node.js** & **MongoDB**, streamlined operations and resulting in a **96%** improvement in inventory stockup time.
- Implemented a robust batch processing library for file uploads using **S3 Bucket**, **DynamoDB**, **Redis**, and **Node.js**, enabling concurrent handling of rows in batches and reducing the processing time by **80%**.
- Optimised the inventory management system, which handles millions of daily transactions, reducing synchronisation lag by around 42% while improving consistency using techniques like global cache (Redis) and CAP theorem.
- Accelerated core business logic processing using **Java** and drools, achieving a **73%** reduction in processing time.
- Developed an efficient rate-limiting library using **Redis**, resulting in an operational cost reduction by **87%**.

Software Engineer at Tredence Aug 2020 - Jan 2022

- Led the design of a high-impact data pipeline for an inventory forecasting system with the help of Azure Data Factory and **Python**, catalysing a remarkable **72%** 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 Karnataka (NIT), Surathkal Jul 2016 – Jun 2020

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

Programming Skills

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

Technologies: Git, MongoDB, Kubernetes, Redis, Node.js, DynamoDB, MEAN, AWS

Concepts: System Design, Software Architecture, REST API, LLD, Design Patterns, Database, OS, Unit testing, GraphQL, Data Structures & Algorithms (DSA), 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, Bloom Filter, and Aho-Corasick.