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Experience

Software Developer
Intugine Technologies

Bengaluru, Karnataka
July 2022 – Present

- Rebuilt and scaled the backend of IntuParcel, Intugine's flagship product, using a **microservices architecture** to process over **400k shipments daily**.
- Implemented **write-through caching** with **Redis**, offloading **1000+ writes/sec** from **MongoDB** and reducing infrastructure costs by **40%** through cluster downscaling.
- Compressed thousands of **GPS coordinates** into a single encoded **polyline** string after trip completion, reducing data volume by **90%** and significantly **improving storage efficiency**.
- Optimized **database queries**, **indexes**, and **aggregation pipelines**, and leveraged **MongoDB transactions** for bulk operations, resulting in **25% faster API responses** and **20% fewer data inconsistencies**.
- Built **CI/CD pipelines** using **Jenkins** and **Docker**, and set up centralized **logging** and **monitoring dashboards** with **Grafana**, **Prometheus**, and **Loki**, accelerating deployments and improving system visibility and uptime.
- Collaborated with **frontend**, **product**, and **ops** teams to align backend development with **business goals**, streamline deployments, and ensure **stable production releases**.

Projects

IntuParcel (Partial Truck Load - PTL)

- **Tech Stack:** TypeScript, Node.js, Express.js, MongoDB, Redis, Docker, AWS (S3, CloudWatch, Lambda, SQS, SNS, SES), Azure (Blob Storage, Container Registries, Log Management).
- Built analytics, shipment tracking, courier integrations, freight calculation, and reconciliation workflows.
- Automated **freight reconciliation**, cutting manual operations by **80%** and increasing product efficiency.

Intracity (Full Truck Load - FTL)

- **Tech Stack:** JavaScript, Node.js, Express.js, MongoDB, PostgreSQL, Redis, Mapbox/Polyline, RabbitMQ.
- Developed **trip management** and **GPS tracking** for real-time vehicle and route monitoring.
- Enabled real-time location updates and asynchronous trip state management using **RabbitMQ**, improving trip tracking reliability by **40%**.

URL Shortener (Internal Tool)

- **Tech Stack:** Go, Gin, PostgreSQL.
- Developed a URL shortener microservice using Golang, **replacing third-party tools** and reducing project costs.
- Enabled branded URL management across teams, improving link trust, tracking, and internal adoption.

Skills

Languages: JavaScript, TypeScript, Golang, C++, Java, SQL

Technologies: Node.js, Express.js, Gin

Databases: MongoDB, Redis, PostgreSQL, MySQL

Messaging Queue: RabbitMQ, Apache Kafka, Agenda

DevOps and Monitoring: Kubernetes, Docker, Jenkins, Grafana, Prometheus, Loki

Cloud Services: AWS, Azure

Education

Madhav Institute of Technology and Science
Bachelor of Technology

Gwalior, Madhya Pradesh
Jul 2017 – May 2021