GUNJAN TOMAR

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EDUCATION

University of Illinois at Chicago, IL - *Masters of Science in Computer Science, August 2022- May 2024, GPA -3.89*

SKILLS

Languages & Databases – Java, Python, Golang, HTML, CSS, MySql, Postgres, Neo4j, MongoDb, Javascript, Redis
Frameworks – Springboot, Spring MVC, GRPC, Nodejs, React
Tools & Technologies - GitHub, Bitbucket, AWS, REDIS, KAFKA, Kubernetes, Jenkins, Maven, TestNG, Gradle, Rest APIs, Object Oriented Design Patterns, SOLID

EXPERIENCE

Software Development Engineer - *SIXT Research & Development India, Bangalore, February 2020-July 2022*
Skills - Java, Go, Springboot, Spring MVC, GRPC, AWS EC2, AWS S3, Design Patterns, RDBMS, RPC, Microservices, Solid, Kafka, Redis, Docker, Kubernetes, SOLID, Hibernate

- Developed a self-service document management system for Transport Service Providers in a **distributed cloud-native application**, enabling them to upload and update documents autonomously. Utilized gRPC framework for efficient remote procedure calls and APIs and integrated **Amazon S3** for scalable storage. **Achieved an 80% reduction in customer care inquiries**.
- Developed a notification mechanism via emails that alerted TSPs to upload required documentation and provided reminders for impending expirations. Implemented an automated process to disable profiles if documents were not uploaded within the specified timeline, **ensuring compliance and minimizing disruptions to operations. Utilised Kafka for event scheduling**
- Devised a system to assess and rate each ride's performance following which 60% of drivers went on to improve and maintain a Perfect Ride Performance within a month.
- Developed a Reservation Sync system utilizing **Observer Design Pattern.**
- **Mentored** and **Lead** fresh hires

Software Development Engineer - *Thinkify Labs Pvt. Ltd., Bangalore, December 2018 – January 2020*
Skills - Java, Springboot, Spring MVC, AWS EC2, AWS S3, Design Patterns, RDBMS, RPC, Microservices, Solid, Kafka, Redis, Message Queuing, Kafka, RabbitMQ, Docker, Kubernetes.SOLID, Hibernate

- Implemented the Catalog Ingestion service using **Java Spring Boot framework** and a **RDBMS PostgreSQL** for data storage. Deployed the service on Amazon EC2 for scalability and reliability, ensuring seamless integration into existing infrastructure and efficient management of food catalog data.
- Developed a Product Availabilty service layer within a **distributed system**. Integrated **Redis cache** to optimize data access and retrieval, ensuring high performance and responsiveness.
- Established a **Continuous Integration/Continuous Deployment (CI/CD) pipeline** to automate the build, test, and deployment processes of the automation suite for Testing team.
- Deployed and maintained services on Amazon AWS EC2 instance. Responsible for monitoring service performance on **Grafana**

System Engineer - *IBM India, January 2017-August 2018*
Skills - Java, Springboot, Spring MVC, Design Patterns, RDBMS, RPC, Microservices, Spring Hibernate

- Engaged in **client-facing** role as a Java Backend Developer, leveraging Spring Boot and PostgreSQL to deliver customized solutions for various clients.
- Responsible for code review, Production bug debugging and fixes.
- Designed, developed, tested, and maintained software solutions according to project requirements and specifications.

PROJECTS

Fetch Log Analysis – Built a complex distributed system to fetch info from logs. Utilised **EC2**, **Amazon EFS**, **GRPC**, **Akka Http**, **Amazon Lambda services** and **Amazon API Gateway**.
GoNEat - Built **a Java Springboot application** a commonplace for vendors to add restaurant information and customers to book a table at their favourite restaurants. This project used a monolithic architecture style which can easily be broken down into microservice architecture. It utilized Relational Database to store data**. Spring security** was used for authentication.