BHUMIL JAKHELIYA

Software Development Engineer II

📞 +91 8850998751 @ bhumil2210@gmail.com 🔗 linkedin.com/in/bhumil2210 🔗 github.com/bhumil2210

EXPERIENCE

Software Development Engineer II

JPMorgan Chase & Co.

📅 02/2023 - Present 📍 Mumbai, India

- Launched a **Scalable API-driven reporting framework** that provides **sub-second response times** while **supporting 5,000 requests per second.** Integrated query generation, data validation, and optimized processing for long-running reports, ensuring consistent data delivery
- Proposed **Elasticsearch data lifecycle management solution** with tiered storage, automated data movement, and APIs for cold storage retrieval, addressing data growth challenges. Reduced **storage costs by 70%, saving $250,000 annually.**
- Architected a **Fault Tolerant Data Migration Service** for Elasticsearch to OpenSearch, handling **Indices, Data Streams, and Snapshots.** Migrated **40TB of data within 7 days** with automation for historical and real-time data, ensuring data consistency and **enabling near real-time data transfe**r.
- Designed **Terraform Modules for AWS (OpenSearch, MSK, EKS, API Gateway, ALB, Route 53)**, enabling Infrastructure as Code. Achieved Infrastructure Automation with **Multi Staged Spinnaker Pipelines**, significantly improving speed and reliability.
- **Migrated Services to AWS**, implementing MSK (Setup & Admin Access), Secrets Management, and EKS Autoscaling: leveraged architectural improvements to achieve **40% increase in Throughput & 20% cost savings.**
- **Technologies Used:** MSK, API Gateway, Lambda, EKS, Kubernetes, Docker, Java, Spring Boot, Maven, Kafka, OpenSearch, Datadog, PostgreSQL

Software Development Engineer I

JPMorgan Chase & Co.

📅 09/2021 - 01/2023 📍 Mumbai, India

- Developed a **Microservice to simulate traffic patterns** across 13 microservices architecture, identifying performance bottlenecks, and **reducing report generation time by 20%.** Integrated it as a Jenkins pipeline plugin for continuous monitoring.
- Redesigned **Highly Scalable RESTful APIs** leveraging **OAuth 2.0, Caching, and Retry Algorithms, increasing API Response Times by 50%**. Decommissioned legacy systems, resulting in **$3,000 in monthly cost savings.**
- Engineered high-performance audit reports processing millions of daily transactions, utilizing **advanced data aggregation techniques** and complex financial calculations. It **Reduced manual effort by 90%**, enabling faster audit analysis.
- **Technologies Used:** Kubernetes, Docker, Java, Spring Boot, Maven, Kafka, Elasticsearch, Oracle

Software Development Engineer I

Wissen Technology

📅 08/2020 - 08/2021 📍 Mumbai, India

- Developed a **Corporate Events Management system** leveraging **Data Warehousing** to streamline analysis and deliver deeper market insights, boosting financial analysts' **productivity by 70% and driving profitability**.
- Engineered a **novel algorithm** to automate report generation, involving multi-dimensional financial data, reducing **manual labor by 100%.**
- Led containerization of a legacy application on **Azure Kubernetes Services (AKS),** reducing **deployment cycles by 70% and resource usage by 30%.**
- **Technologies Used:** Java, Spring Boot, Angular, Gradle, Elasticsearch, Autosys, Azure, Docker, DB2

EDUCATION

Bachelor of Engineering in Information Technology

Dwarkadas J. Sanghvi College of Engineering **GPA - 9.01 / 10**

📅 07/2016 - 07/2020 📍 Mumbai, India

SKILLS

Distributed Systems	System Design	Microservices	REST API	Spring Boot	Java	AWS	Terraform	Docker
Kubernetes	ElasticSearch	Kafka	Python	SQL	NoSQL	Azure	Firebase	Angular	MongoDB	PostgreSQL
Gradle	Maven	Gradle	Jenkins

CERTIFICATIONS

Terraform Associate Certification   **AWS Developer Associate Certification**

KEY ACHIEVEMENTS

⚡ **Performance Excellence Award**

Recipient of the Performance Excellence Award in Wholesale Payments, JP Morgan, for outstanding contributions.

🚩 **Agile Impactful Team Spotlight Award**

Received the Agile Impactful Team Spotlight Award with my team at JP Morgan, highlighting exceptional teamwork.

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