Ashwin Kumthekar

+91 967-317-1613 | ashuwin.k@gmail.com | linkedin.com/in/ashwinkumthekar | github.com/iAshwinK

EXPERIENCE

JPMorganChase — Mumbai, India
Software Engineer-III — *May 2021 - Present*

- **Optimized PnL Calculation Tool**, reducing processing time from 2 hours to 30 minutes using Mercury S3 caching and streamlined upstream data flow. Delivered results 2-3 hours ahead of SLA for 50K books with 30K positions each.
- Spearheaded Kafka topic partitioning, enabling parallelized calculations using complex algorithms on large scale distributed systems by streaming data into multiple instances, significantly improving processing efficiency.
- **Led Qpid-to-RabbitMQ migration**, achieving USD 70K annual savings and ensuring zero downtime through custom migration scripts. Enhanced scalability and resilience with cloud-based solutions.
- Boosted service uptime to 99.95%, resolving critical downtime issues with caching, retry mechanisms, and failover drills using Geneos.
- **Developed a PnL preview feature**, eliminating manual calculations and saving significant PM team effort.
- **Appointed as Tech Lead for FFG 2024** - Mumbai Region, driving technical initiatives for social good.

Cuddle.ai (Fractal Analytics) — Mumbai, India
Member, Technical Team — *Jan 2019 - Apr 2021*

- Engineered a custom Fiscal Year structuring tool that allowed for tailored period queries, benefiting over 30 clients in the US and India by delivering competitive sales insights during pitches.
- Built a 50x faster **Elasticsearch cache pipeline** leveraging data platforms and data mining techniques, reducing DB load by caching distinct queries with unique keys and enabling seamless data retrieval.
- Revamped business analytics by integrating a Non-Aggregable feature, allowing clients to segment and scrutinize data based on specific metrics, resulting in **improved decision-making processes** for over 300 active users.

Infonius Solutions Pvt. Ltd — Mumbai, India
Software Engineer — *Jan 2016 - Dec 2018*

- Built a Spring Boot application from scratch, supporting hundreds of APIs with robust architecture.
- Engineered a pagination module for Elasticsearch connections, resulting in an impressive improvement of query response times by 40%, directly contributing to increased user satisfaction and application reliability.
- Pioneered restructuring initiatives toward microservices design principles leading directly to decreased downtime during deployments.
- Implemented the DB architecture for user-role permissions and enhanced access control.
- Improved logging efficiency by 70% using Log4j and Elasticsearch.

LimeTray (Alchemy Web Pvt. Ltd.) — New Delhi, India
Backend Engineer — *Apr 2015 - Nov 2015*

- Crafted innovative solutions within the software stack employing modular designs via JavaFX; this approach facilitated quicker resolution times during QA and development processes.
- Spearheaded the integration of a sophisticated inventory-level taxation system into POS applications, streamlining processes and achieving a reduction in order placement to payment confirmation time by 50%.
- Served as a key liaison with sales teams, delivering impactful demos for potential clients.

TECHNICAL SKILLS

Languages: Java, JavaFX, SQL, NoSQL, Python, HTML/CSS
Frameworks: SpringBoot, Apache CFX, JUnit, Mockito
Other Technologies: AWS, Kafka, RabbitMQ, ElasticSearch,RESTful webservices, PostgreSQL, MongoDB, Microservices, Backend development, Data Structures and Algorithms, Git, Maven, Jenkins, Control-M

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (291V8KM2R1V413GW)
- Certified Scrum Master (License 000676191)

EDUCATION

Swami Ramanand Teerth Marathwada University — Nanded, India
Bachelor of Engineering in Computer Science — *July. 2010 – June. 2014*