

Kishan Kumar

Bangalore India • 7003523380 • kishankrkosik@gmail.com
• **WWW:** <https://www.linkedin.com/in/kishan-kumar-204048132/>

SUMMARY

Experienced Senior Software Engineer with 6 years of expertise in building robust, scalable, and efficient applications. Strong background in software development best practices, agile methodologies. Adept at problem-solving and delivering high-quality solutions in fast-paced environments.

EXPERIENCE

Senior Software Engineer, 11/2022 - Current

JP Morgan & Chase - Bengaluru, India

- **Working in Credit Risk Technology Team:** Efficiently calculated SSE for diverse clients and asset classes in a distributed environment.
- **Refactored Legacy Codebase:** Enhanced code quality and performance by 30% through optimization and reduction of technical debt.
- **Developed Celery Workflows:** Implemented high-throughput workflows, reducing job execution time and increasing throughput.
- **Designed Airflow DAGs:** Orchestrated complex workflows and fine-tuned task parallelism for efficient data processing and report generation.
- **Optimized Reporting:** Leveraged Parquet and DuckDB to reduce report processing time by 50% and increase query performance by 40%.
- **Processed Large Datasets:** Utilized Pandas to clean and merge datasets, ensuring data integrity and consistency.
- **Design Patterns:** Implemented different design patterns like factory/facade/singleton and designed the entire application end to end
- **Low and High Level Design** - Led the end-to-end design of skanda application, including both high-level architecture and low-level implementation.

Software Engineer II, 05/2021 - 11/2022

Lowe's - Bengaluru, India

- **Contributed to Data Management Team:** Built LDC (Lowe's Data Catalog) by leveraging open source microservice product called Amundsen for data discoverability, governance, quality and boosted decision-making.
- **Developed Search Microservices:** Created dynamic search, sort, and filter functionalities using Elasticsearch.
- **Automated ETL Workflows:** Designed Airflow DAGs for metadata integration from Hive and Teradata, cutting processing time by 40%.
- **Managed Docker Images:** Improved scalability and consistency of microservices across environments.

Software Engineer, 07/2018 - 05/2021

Wipro Digital - Bengaluru, India

- **Worked in Wipro Digital Team:** Contributed in development of multiple HRSS product applications using Python with Django frameworks.
- **Automated Payroll Process:** Cut efforts required by the payroll team to generate payslips for employees working around the globe by 90%.

SKILLS

- **Programming Languages:** Python, C, C++, Java
- **Backend Development:** Django, Flask, FastAPI
- **Database Management:** SQL (MySQL, SQLite), NoSQL (Redis, Neo4j, Janusgraph, parquet, DuckDB)
- **Version Control:** Git, Bitbucket
- **DevOps and CI/CD:** Jenkins, Docker, Kubernetes, Linux, Shell Scripts
- **Cloud Platforms:** AWS(S3, EC2, EMR, DynamoDB)
- **Data Engineering:** Apache Airflow, Celery, Kafka
- **APIs and Web Services:** RESTful API's, SOAP
- **Libraries:** Pandas, Numpy, Git
- **Testing and Debugging:** Unit Testing, Integration Testing, Locust
- **Performance Optimization:** Code profiling, caching strategies, database indexing, distributed systems
- **Security:** Knowledge of security principles, SSL/TLS, OAuth, JWT, keycloak
- **Web Technologies:** HTML, CSS, Javascript, Bootstrap, NodeJS, Ajax, Jinja2
- **Networking:** Understanding of HTTP/HTTPS, REST, WebSocket, API rate limiting
- **Problem-Solving:** Analytical thinking, debugging complex issues
- **Teamwork and Collaboration:** Working in cross-functional teams, participating in code reviews
- **Creativity and Innovation:** Developing new solutions, suggesting improvements to existing systems

EDUCATION AND TRAINING

B.Tech : Information Technology, 06/2018
Jadavpur University - Kolkata, West Bengal

ACCOMPLISHMENTS

- Individual Excellence Award