

AMIT KUMAR

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in LinkedIn

GitHub

Portfolio

</> Leetcode

Education

Centurion University of Technology and Management

Sep. 2019 – July 2023

Bachelor of Technology in Computer Science (CGPA: 7.8 / 10)

Gajapati, Odisha

Experience

Keen & Able Technologies

Apr. 2023 – Present

Software Developer

Noida

- Developed a Node.js **web scraping system** to extract, deduplicate, and structure member data from NEVA state portals, leveraging **Cheerio** and **hashing** techniques to generate unified **JSON outputs** for seamless integration.
- Worked on the frontend using **Next.js/React** and on the backend with **Java Quarkus**, **Apache Camel**, **GraphQL**, **Kafka**, **Infinispan**, and **OpenSearch**— for the **National Portal of India v2**, enhancing usability, scalability, and accessibility for millions of users.
- Built a monitoring and analytics pipeline for National Portal data acquisitions by integrating **Kafka**, **Kafka Connect**, **Apache Iceberg**, and **Trino**—enabling real-time visibility into success/failure rates, duplicates, and records ingested from 20+ API sources via **Superset** dashboards with alerts and reports for debugging.

Projects

Data Acquisition

Java Quarkus, Apache Camel, Kafka, Infinispan

- Implemented a data acquisition pipeline storing ingested data in **Infinispan** and **Kafka partition 0** for reliable processing.

Data Mapper

Java Quarkus, Apache Camel, Kafka, Infinispan

- Designed and developed a **data mapping engine** to align and rename fields dynamically, improving consistency across multiple datasets.

Data Verification

Java Quarkus, Apache Camel, Kafka, Infinispan

- Built a **data quality verification system** to validate fields, field values, and domain rules, ensuring high accuracy and integrity.

Data Store

Java Quarkus, OpenSearch, Apache Camel, Kafka, Infinispan

- Engineered a storage pipeline using **OpenSearch** with timestamp-based aliases, cross-index field mapping, and enrichment of additional fields for advanced search capabilities.

Text Editor (Ongoing)

Java Quarkus, Next.js/React

- Developing a **rich text editor** leveraging Java (Quarkus) for backend and Next.js/React for frontend to support structured content creation.

Project Management System (Internship Project)

Redmine, Workflow Automation

- Developed a Redmine-based project management solution that optimized workflows and reduced project completion time by **40%** through automation and process improvements.

Technical Skills

Languages: JavaScript, TypeScript, Java, C++

Frontend Technologies: React, Next.js, Redux, Redux Toolkit, jQuery, Bootstrap, Tailwind CSS, Material UI, Shadcn/ui

Backend Technologies: Node.js, Express.js, Quarkus, Kafka, Kafka Connect, WebSockets, GraphQL, small-rye-graphql, Elasticsearch, MongoDB, Firebase, Firestore, PostgreSQL, Prisma

Data Visualization: Apache Iceberg, Trino, Superset

DevOps / Tools: Git, Docker, Podman, Kubernetes, Nginx, Postman, Jira, GCP, AWS

Programming Concepts: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP)