

Chaitanya Bhardwaj | Software Engineer

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

SUMMARY

Backend Engineer (5+ years) specialising in distributed, event-driven, and cloud-native systems using Java, Spring Boot, Kafka, and Redis. Designed scalable microservices and real-time streaming pipelines with strong focus on performance, reliability, resilience, and data consistency. Hands-on experience in HLD/LLD, system design, and CI/CD automation.

WORK EXPERIENCE

Backend Engineer

Cognizant, Bengaluru (July 2021 - Current)

Tech: Java, Spring Boot, Spring Batch, Kafka, Redis, PostgreSQL, SQL Server, Docker, Kubernetes, Azure DevOps, OpenAPI

- Contributed to HLD and LLD for scalable and fault-tolerant microservices by participating in architectural discussions.
- Developed multiple low-latency RESTful APIs for a North American healthcare provider. Improved response time from seconds to milliseconds for high-traffic APIs by introducing Redis caching, improving throughput by 50%.
- Designed and implemented Kafka-based event-driven pipelines (producers & consumers) to support real-time streaming and asynchronous workflows.
- Promoted design-first-development by leveraging tools like OpenAPI.
- Automated time-intensive processes with nightly SpringBatch jobs which reduced manual effort by up to 97%.
- Implemented centralised exception handling via AOP(Aspect oriented programming), reducing ElasticSearch memory consumption and improving stability.
- Integrated PostgreSQL and SQL Server with optimised queries and indexing, in Java applications.
- Improved deployment speed and reliability by implementing CI/CD pipelines using Azure DevOps.
- Experienced in integrating Generative AI (GenAI) tools into production systems to deliver features efficiently.
- Collaborated with cross-functional stakeholders to define requirements and delivery plans.

Full Stack Engineer

Nlyze, Remote (November 2020 - March 2021)

Tech: HTML, CSS, Javascript, NodeJs (Serverless), Cloud (Firebase), NoSQL (Firestore)

- Developed real-time data processing and analytics features for a cloud-hosted platform, enabling live dashboards and reporting for clients.
- Designed and implemented backend services and APIs to support reliable data ingestion, aggregation, and delivery.
- Optimised data storage models and query patterns to reduce latency and improve system responsiveness.
- Implemented secure authentication and authorization workflows, enhancing platform security and usability.
- Collaborated with product and data stakeholders to design scalable, maintainable backend architecture in a fast-paced startup environment

SKILLS

Backend

Java, Spring Boot, Spring Batch, Redis, Kafka, OpenAPI

Cloud and DevOps

Azure DevOps, Docker, Kubernetes

Database

MySQL, PostgreSQL, SQL Server

Architectural

OOP, Design patterns, Microservices, LLD & HLD, Event-Driven, Distributed Systems, Data Structures & Algorithms

PERSONAL PROJECTS

Blockchain Simulator (Event-Streaming / Distributed System Project)

A program that mimics how a blockchain operates.

Tech: SpringBoot, Angular, Kafka, Cloud(Azure), APIGateway, EurekaServer, SonarQube, Mining, SHA-256, Proof-Of-Work and consensus using Distributed P2P network.

OpenAI Data Structure Predictor

This app recommends suitable data structures applicable for any given situation. Built using OpenAI API.

Tech: LLM, RAG & Generative AI based application (GenAI), APIs.

ACHIEVEMENTS

Sports Image Classification

A framework for classifying sports images based on the environment and related surroundings.

EDUCATION

Bachelor's Of Technology in Computer Science
Graphic Era University, Dehradun (2016 - 2021)