

Debojit Kangsa Banik

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Projects: <https://debojitbanik.com/projects>

PROFESSIONAL SUMMARY

Software Development Engineer with 8+ years of experience in backend systems and distributed architectures, specializing in Java and cloud-native solutions. Proven expertise in building scalable microservices, leading small teams, and collaborating cross-functionally with product, UX, and customer teams. Recognized for delivering customer-centric features and solving high-impact production issues across multiple enterprise products.

SKILLS & COMPETENCIES

- Languages: Java 8+, Scala, Python, Ruby, javascript
- Frameworks: Spring Boot, GraphQL, Ruby on Rails, SpringAI
- Tools: AWS (DynamoDB, Kinesis, EC2, S3), Kafka, Docker, Kubernetes, Jenkins, Maven, Jenkins
- Databases: MySQL, PostgreSQL, Cassandra, Redis, Elasticsearch, Solr
- AI Tools & frameworks: LLM, prompting, RAG, llama_index, vector indexing & embeddings, LangChain, LangGraph, VectorStore, huggingface, ai agents.
- Competencies: Backend Development, Cloud-Native Solutions, Microservices Architecture , API Development & Integration, System Design & Architecture, Team Leadership & Mentoring, Cross-Functional Collaboration, Problem-Solving & Debugging , Performance Optimization, Agile & DevOps Practices.

ACHIEVEMENTS

Awarded Honorable Mention in Vista Global Hackathon 2021 for building a predictive ML model for social media post engagement

EXPERIENCE

Khoros LLC – Senior Software Engineer – 2019 - 2025

Work & Responsibilities:

- Collaborated with team members, Product Owner, and other stakeholders to work on the MVP for **Community Moderation**, Technologies: Java, GraphQL, Elasticsearch, MySQL
- Led a team of 3 engineers to design and implement **Label Tagging Microcode**, enabling real-time tagging of social media content based on predefined rules. Technologies: Java, DynamoDB-Kinesis, Elasticsearch
- Resolved a 3+ year-old race condition bug, addressing 10+ unique customer tickets and improving platform stability.
- Collaborated with Product Managers to design the solution and led the development of **Analytics V2** RESTful endpoints powering frontend analytics applications, while also contributing to the ingestion pipeline that collected data from social networks and routed it to downstream systems. Technologies: Java 8, Elasticsearch, AWS DynamoDB, AWS Kinesis
- Designed and led the implementation of **Autoblock Keywords**, a real-time rule engine to filter offensive content. Technologies: Java 8, Spring, Redis, MySQL
- Developed **Twitter Themes** feature to cluster social conversations using unsupervised ML and Spark NLP. Technologies: Scala, Kafka, Solr, Spark-ML, Python, Ruby

SAP LABS – Developer Associate – 2017 - 2019

Work & Responsibilities:

- Developed RESTful and OData services for enterprise applications. Built responsive web applications to consume services as part of full-stack initiatives. Technologies: Java, sap hana, sap ui5.

EDUCATION DETAILS

BTech in Computer Science & Engineering

NIT Silchar, Jul 2013 – May 2017 **CGPA: 8.13**

Class XII (AHSEC) – Ramanuj Gupta Junior College, Silchar – 87.6%

Class X (SEBA) – Happy Child High School, Silchar – 81%

Professional Certifications & Training

- Actively deepening expertise in Large Language Models (LLMs) through hands-on experimentation with Retrieval-Augmented Generation (RAG), vector databases, model fine-tuning, AI agent frameworks, and advanced prompt engineering, leveraging platforms such as Hugging Face, OpenAI, Cloudflare, etc
- Engineered multiple chatbots interface utilizing Gradio, Cloudflare Workers AI, OpenAI APIs, llama models, AutoRAG, n8n to explore comprehensive LLM workflows, including inference and retrieval integration to support conversational applications.
- Designed and implemented a gaming application using Cloudflare services, Pinecone for vector indexing, and modern UI frameworks (Lovable, Cursor), demonstrating proficiency in orchestrating end-to-end technical solutions. (<https://promptcraft-1th.pages.dev/>)