

JASLEEN KAUR

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EXPERIENCE

SDE 1, Flixstock India Pvt. Ltd- (Product) Gurugram, Haryana

Aug 2025 – Present

- Built serverless **Lambda** workflows utilizing **FFmpeg** to retrieve video metadata, extract video clips, and generate thumbnails, with AWS FFmpeg layer used for efficient dependency management
- Developed a scalable automated video generation pipeline integrating **Kling's AI**-powered image-to-video synthesis with **Redis**-based distributed job queue management for efficient asynchronous processing and reliable delivery.
- Integrated AI-generated **video** and **image** workflows with **SKU-level** asset management, ensuring accurate mapping of visual outputs to product metadata.
- Built queue-driven workflow using **BullMQ** to process large-scale orders with asynchronous task management, error handling, and automated retries for background operations.
- Built module to **manage shoot articles**, supporting garments, and media assets for the content production team.

Senior Software Engineer, Eunix Tech - Mohali, Punjab

Nov 2023 – Aug 2025

- Delivered modular backend services using **NodeJS** and **Express**, applying Domain-Driven Design principles for maintainability.
- Refactored legacy database schemas in **MongoDB** and **MySQL**, which simplified data models and reduced database storage costs by 15%, while ensuring data integrity.
- Developed **Kafka-based pipelines** for processing real-time events and async integrations.
- Built reliable **webhook handlers** with retry mechanisms, payload validation, and idempotency handling.
- Deployed secure applications using **AWS EC2**, managed assets via **S3**, and set up monitoring with **CloudWatch**.

Senior Software Engineer, FMTI (Product) Bangalore, Karnataka

May 2023 – Oct 2023

- Built REST APIs using **NodeJS** for multi-tenant backend environments across 9 active production sites.
- Used **Prisma** to manage complex **MySQL** queries, relational joins, and schema migrations.
- Managed deployments on **AWS EC2**, asset handling through **S3**, and logging with **CloudWatch**.
- Participated in architectural discussions, code reviews, and team collaboration to ensure adherence to best practices and clean code standards.

Senior Software Engineer, Collationhub Pvt. Ltd. Mohali, Punjab

Sep 2020 – Apr 2023

- Built backend APIs with **NodeJS**, handling ecommerce flows with dynamic pricing, filters, and inventory sync.
- Improved search performance using MySQL views, indexes and optimized complex queries to handle large product datasets efficiently.
- Utilized **Redis** to manage user sessions and cache large product datasets.
- Implemented multilingual support using Laravel's **localization** system, enabling global user accessibility.

Web Developer, Webethics Pvt. Ltd. Mohali, Punjab

Oct 2019 – July 2020

- Collaborated with team members to analyze, design, and develop software solutions.

- Handled both backend and frontend development, including writing code to connect to, parse, and store data from the third-party Skywind API.

Trainer Chandigarh University Mohali, Punjab

July 2015 – Oct 2019

- Delivered technical training to undergraduate engineering students in core subjects including C Programming , Object-Oriented Programming with C++ , Data Structures , Design and Analysis of Algorithms (DAA) , and Database Management Systems (DBMS).
- Trained over **1,000+ B.Tech (CSE)** students as an **individual contributor**, significantly enhancing their programming skills and placement readiness.

SKILLS

Languages : NodeJS, Express.js, JavaScript, TypeScript, REST APIs, WebSockets, Php

Databases & ORMs: MongoDB, MySQL, Prisma, Mongoose, Sql

Cloud & Infrastructure: AWS (EC2, S3, CloudWatch), Docker, Redis, Kafka, Cloudflare, Jenkins

Tools & Utilities: Git, Postman, Swagger

Frontend Collaboration: React, Next.js, Tailwind CSS, React Query, HTML, CSS

EDUCATION

Master of Engineering, Computer Science(M.Tech)

2013-2015

Kurukshetra University

Kurukshetra, Haryana

Bachelor of Engineering, Computer Science(B.Tech)

2009-2013

Kurukshetra University

Kurukshetra, Haryana

PROJECTS

Apollo US – EMR System

Led backend development of an enterprise-grade Electronic Medical Records (EMR) system using **NodeJS**, **Express.js**, and raw SQL with sql2.

- Deployed services on **AWS EC2** and configured **Cloudflare** for SSL, CDN caching, and API protection.
- Collaborated with frontend teams using **React**, **TypeScript**, and **React Query** for seamless data flow.
- Improved API response times by optimizing **MySQL** queries and indexing.
- Designed normalized relational schemas for patient records and audit logs.

Gati - Asset and Sku Management System

Led development of a system to manage shoot articles, supporting articles, SKUs, and order workflows used by production teams.

- Built multi-stage pipelines for asset ingestion, approval, rejection, and reshoot workflows, improving operational **turnaround time** by 40%.
- Developed **Lambda-based FFmpeg layers** and **BullMQ** queues to process AI-generated images/videos from Kling and automate heavy media tasks.
- Integrated AWS S3 for structured storage and **optimized** retrieval, reducing asset processing failures and improving pipeline stability.

PUBLICATIONS

Kaur, Jasleen, and Mr Ashok. "FCM Based Enhanced Approach for Object Extraction from Videos." *International Journal of Research* 3.01 (2016): 1060-1065.
