

JASLEEN KAUR

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EXPERIENCE

SDE 1, Flixstock India Pvt. Ltd- (Product) Gurugram, Haryana	Aug 2025 – Present
<ul style="list-style-type: none">Built serverless Lambda workflows utilizing FFmpeg to retrieve video metadata, extract video clips, and generate thumbnails, with AWS FFmpeg layer used for efficient dependency managementDeveloped 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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.
