

VEDANT KAMBLE

Solution Engineer, Backend Systems Development

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PROFESSIONAL SUMMARY

I'm a solution provider who creates secure, scalable backend systems. At Lionsgate, I develop the CMS layer using Strapi v5 and also the APIs to serve the OTT platform for end-to-end experiences (content delivery, content ingestion, DRM integration, personalization, AI search, and internal tooling). I specialize in NestJS, TypeScript, MongoDB, OpenSearch, AWS, and DRM systems.

SKILLS

Languages: TypeScript, JavaScript, Python

Backend & APIs: NestJS, Node.js, Express.js, REST API design, custom auth wrappers

CMS & Content: Strapi v5, headless CMS architecture, content modeling

Streaming & DRM: CPIX, Widevine, FairPlay, Playready

Data & Search: MongoDB, OpenSearch, PostgreSQL

Cloud & DevOps: AWS

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

Other Tools: Git, GitHub, Postman, VS Code, Figma

WORK EXPERIENCE

Solution Engineer | Lionsgate | Mumbai, India

Oct 2025 - Present

- Built the CMS layer for Lionsgate's OTT platform on top of Strapi v5 (backed by PostgreSQL database), and the full set of supporting backend APIs across the content pipeline.
- Designed and built content delivery APIs integrated with DRM systems (CPIX for encryption, Widevine, FairPlay, PlayReady) to securely serve protected video content across devices.
- Developed custom APIs for Watchlist, Continue Watching, and internal platform tooling used across the OTT product.
- Designed and built a custom AI-powered search feature that improved search relevance for users.
- Engineered a custom API wrapper with its own authentication layer that fronts Strapi, cutting content response times from seconds to milliseconds.
- Worked directly with the CTO and stakeholders across other teams to translate platform requirements into backend architecture, serving as the go-to solution provider for the CMS system.

Full Stack Developer with DevOps (Part-time) | Bunchup | Mumbai, India

Feb 2023 - Mar 2025

- Built and maintained the Bunchup platform full-stack, using React for the front-end and Node.js for the back-end, including the public-facing website and the app.
- Deployed and scaled the application on AWS, configuring the infrastructure for optimal performance and cost-efficiency.
- Set up security groups and SSH key pairs to provide the secure access, and managed application availability and uptime.

Artificial Intelligence Developer (Internship) | Hands In Technology | Mumbai, India

Dec 2023 - Jan 2024

- Prepared and cleaned text data for machine learning using Pandas, NLTK, and SpaCy, resolving missing data and inconsistencies.
- Applied core AI/ML concepts (supervised and unsupervised learning, key algorithms) to real-world data problems.
- Collaborated with the team on AI applications, ensuring training data was clean, relevant, and model-ready.

EDUCATION

B.E. in Computer Science and Engineering (Cybersecurity)

2025

Thakur College of Engineering & Technology, Mumbai, India

HSC Board, 12th, 75.33%

2021

ICSE Board, 10th, 79.33%

2019