

# SURAJ KUSHWAHA

Software Development Engineer (Backend & DevOps)

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Software Engineer with experience in back-end development and cloud architecture, specialising in building scalable, high-throughput microservices using Node.js, TypeScript, and the AWS ecosystem. Proven track record of leading projects from ideation to production in a fast-paced B2B SaaS environment, driving significant architectural improvements and ensuring system reliability.

## WORK EXPERIENCE

### SDE I

JULY 2022 - PRESENT

CultureX Entertainment Private Limited

Gujarat, India

- Architected and scaled backend microservices on AWS (EC2, SQS, Lambda), handling over 5 million requests per month to power B2B SaaS products for 100+ global brands.
- Led a strategic migration from a siloed, multi-database architecture to a unified SaaS model, designing and executing a zero-downtime migration for 30+ legacy clients.
- Owned the end-to-end development of a public-facing microservice, transforming an internal tool into a sellable API product and managing its full lifecycle from design to maintenance.
- Developed and launched 10+ MVPs from the ground up, securing the company's first client and establishing the core foundation of [influencer marketing platform](#).
- Contributed as a core backend developer using Node.js, TypeScript, and MySQL, driving architectural decisions and overseeing the full development lifecycle from design to deployment.
- Engineered event-driven social listening automation leveraging AWS EventBridge schedulers, SNS/SQS message queues, and worker services with idempotent batch processing for real-time brand mention tracking

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, HTML, CSS, Python, Java, Golang, Bash

**Backend:** Express.js, Hono, tRPC, Sequelize, Drizzle, Microservices Architecture, REST APIs

**Databases:** MySQL, PostgreSQL, Redis, SQLite

**Cloud:** AWS (Elastic Beanstalk, CodeBuild, Lambda, SQS, SNS, S3, CloudWatch, EC2), Firebase

**DevOps:** Docker, GitHub Actions, CI/CD, Linux, Git

**Tools:** VS Code, Tmux, zShell, GitHub

## PROJECTS

### Open Read

[github.com/surajkuushwaha/open-read](https://github.com/surajkuushwaha/open-read)

- Built a cross-browser extension using Plasmo, React, and TypeScript to bypass paywalls and access archived web content through 5 different services
- Achieved cross-platform compatibility for Chrome, Firefox, and Safari with automated manifest generation and TypeScript

## EDUCATION

Bachelors in Computer Engineering

Government Engineering Collage, Modasa