

SHUBHAM RAWAT

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Experience

Outscal

Jul 2024 – Oct 2025

Fullstack Developer

- Scaled job processing throughput by **5×**, from **20–30K jobs in 2 days** to **55–60K jobs/day**, by redesigning the scraping architecture, replacing Selenium with Firecrawl, and introducing independently scalable processing pipelines.
- **Re-architected** the job scraping platform into independent extraction, AI enrichment & job-monitoring pipelines using modular processing stages, simplifying debugging, improving maintainability and enabling configurable worker scaling.
- Built an asynchronous **AWS SQS** resume-processing pipeline using reusable queue abstractions, eliminating request blocking during resume upload spikes while improving backend reliability, scalability, and processing throughput.
- **Re-architected** job page delivery using regional **Amazon S3** buckets (US and Mumbai), Next.js rewrites and custom page revalidation, reducing page response time from **~500ms to under 100ms** for Indian users while improving cache consistency.
- **Designed reusable Strapi CMS infrastructure** by building a Base Strapi abstraction and reusable JSON-LD framework with automated indexing, de-indexing, and scheduled maintenance using AWS Lambda, reducing duplicate code across modules.

SayaCare

Aug 2022 – Jun 2024

Angular Developer

- **Served as the sole developer** for the internal staff portal by gathering requirements from stakeholders, designing scalable solutions, and delivering business workflows, including a **Trello-inspired drag-and-drop ticketing system**.
- **Proposed and designed a WebSocket-driven invoice printing system** using producer-consumer queues, replacing manual PDF transfers via USB drives and reducing invoice printing time from **30–60 minutes to near-real-time** for staff.

ESMSYS

Aug 2021 – Oct 2021

Frontend Intern

- Developed reusable **Angular components** integrated with REST APIs, data grids, and pagination, while standardizing toast notifications and UI feedback patterns to improve maintainability and consistency across the application UI.

Projects

Client-Side API Rate Limiter & LRU Cache Visualizer

Jan 2026 – Mar 2026

Live Link: [Click to open](#) **Github Link:** [Click to open](#)

- Engineered a token bucket API rate limiter and **O(1) LRU cache** with request flow, refill cycles, MRU/LRU state, and cache eviction visualization using reusable custom hooks, improving performance, reliability, debugging, and modularity.

Tech Stack: React, TypeScript, Vite, Tailwind CSS, Git

Certificate

- Software Developer – Product Development (Version 3.0) | NASSCOM Certification [🔗](#)

Skills

- **Languages:** JavaScript, TypeScript, SQL, Java, C++, Python
- **Frameworks:** React, Angular, Node.js, Express.js, Next.js, Spring Boot, Tailwind CSS
- **Tools:** Git, Postman, Jenkins, MongoDB, Firecrawl, WebSockets, LLM Integration, Docker, Gemini AI API, Langfuse
- **Platforms:** AWS (S3, SQS, Lambda), Vercel, Gemini CLI, Claude Code

Education

JIMS Engineering Management Technical Campus

Aug 2018 – Aug 2022

B.Tech in Computer Science; CGPA: 9.20

Greater Noida

Achievements

- Open source contributor (7 PRs Hacktoberfest) | Merged PR in 100xDevs, Link: github.com/code100x/daily-code/pull/209
- Fixed widely reported **Stylelint VSCode extension issue**, improving linting reliability and receiving strong positive community feedback.
Link: github.com/stylelint/vscode-stylelint/issues/397