

Abhay Thakur

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SUMMARY

Backend Software Engineer with 2 years of experience building distributed, event-driven microservices with Java, Spring Boot, Apache Kafka, Redis, and MySQL. Owner of an enterprise Order Management System; skilled in RESTful API design, real-time data pipelines, and full-stack delivery with React.js and TypeScript.

EXPERIENCE

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Senior Software Developer

Gurugram, India (On-Site)

Apr 2026 – Present

- Lead end-to-end development and architecture of the **Order Management System (OMS)** within the Distributor Management System, owning key technical decisions.
- Mentor junior developers, run code reviews, and drive cross-module architectural decisions.
- Partner with cross-functional stakeholders to ship high-impact features while ensuring system reliability and performance.

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Software Engineer

Gurugram, India (On-Site)

Jan 2025 – Mar 2026

- Engineered a **Java-based report generation engine** converting raw CSV into complex XLSX reports, **cutting manual reporting effort by 80%**.
- Built and shipped **RESTful APIs** with **Spring Boot**, **Spring Data JPA**, **Redis**, **Apache Kafka**, and **MySQL**, handling real-time order state transitions at scale.
- Delivered responsive full-stack OMS modules in **React.js**, integrated with backend services via REST and WebSocket.
- Recognized as **Lead Performer for five consecutive quarters** with multiple Spot Awards.

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Full Stack Developer Trainee

Gurugram, India (On-Site)

Jul 2024 – Dec 2024

- Built backend microservices in **Spring Boot** and frontend components in **React.js** for the DMS product team.
- Promoted to full-time Software Engineer within **6 months** for high-impact, consistent delivery.

PROJECTS

Anime-API | TypeScript, Express.js, Rust, Axum | [GitHub](#)

- Built an open-source anime metadata **REST API** via web scraping; grew to **160+ GitHub stars and 100+ forks** with active community contributors.
- Delivered dual implementations: a **TypeScript/Express.js** variant and a **Rust/Axum** rewrite achieving **3× lower latency** ([kawaii-kinetics](#)); extracted core logic into [aniscraiper](#), a published Rust crate.

LiveXpanse | React.js, TypeScript, Express.js, PostgreSQL, LiveKit, Socket.io | [GitHub](#)

- Architected a **real-time collaborative streaming platform** using **LiveKit** for peer video and **Socket.io** for live event sync, threaded discussions, and role-based access control.
- Designed a normalized **PostgreSQL** schema with optimized indexing; built fully **type-safe REST APIs** in TypeScript/Express.js with Zod validation.

rust-paper | Rust, CLI | [GitHub](#) | [Crates.io](#)

- Engineered a **Linux/UNIX wallpaper manager CLI** in Rust integrating the Wallhaven.cc API for automated discovery, filtering, and application of wallpapers.
- Achieved **sub-10ms startup** and **<5 MB binary size** via zero-cost abstractions and static linking; published to Crates.io with full docs and CI.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Rust, SQL

Frameworks: Spring Boot, Spring Data JPA, Hibernate, React.js, Next.js, Express.js, Axum

Databases & Messaging: MySQL, PostgreSQL, Redis, Apache Kafka

Cloud & DevOps: AWS (S3, Elastic Beanstalk, CloudWatch), Docker

Tools: Git, GNU/Linux, Vim / Neovim, Tmux, Nix OS, Jira, Confluence, Postman, Slack

EDUCATION

Chitkara University

Bachelor of Engineering in Computer Science – CGPA: 8.97/10

Patiala, Punjab

June 2021 – June 2025

D.A.V. Public School

PCM, Class XII – 89.4%

Hamirpur, H.P.

March 2019 – March 2020