

Varun Sharma

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Portfolio: <https://varunsharma-portfolio.vercel.app>

SKILLS

- **Domains:** Backend Development, Native Android Development.
- **Programming Languages:** Java, Kotlin, HTML/CSS, JavaScript, MySQL, PostgreSQL.
- **Frameworks:** Spring Boot, Kafka, Redis, Jetpack Compose, Vue.js, React.js, Node.js, MongoDB, TailwindCSS, SCSS.

PROFESSIONAL EXPERIENCE

Quinbay Technologies – Software Development Engineer

Mar 2025 – Current

- Designed and implemented a Kafka-driven MongoDB cleanup pipeline, deleting data for **~95,000 sellers** and reclaiming **~120 GB** of storage.
- Optimized high-volume batch deletion workflows, reducing service impact and improving processing efficiency by **~40%**.
- Improved backend reliability by implementing failure handling and retry mechanisms for asynchronous jobs, reducing manual intervention by **~30%**.
- Designed resilient API contracts for complex payment flows (QRIS, Installments), leveraging client-side insights to optimize error handling and data consistency.
- Implemented feature flags and persistence logic to enable safer rollouts and A/B testing for registration flows.

Quinbay Technologies - Software Development Engineer Intern

Aug 2024 – Mar 2025

- Assisted in upgrading **3 microservices** to **Java 21** and **Spring Boot 3**, reducing Jenkins CI/CD build times by **65%** and improving overall deployment efficiency by **30%**.
- Resolved **5+ critical issues** across APIs and UI, ensuring accurate data flow and enhancing system stability.
- Delivered **3+ new features** and fixed UI inconsistencies using **Vue.js 3** to streamline the user experience.
- Collaborated with **3+ cross-functional teams** to standardize code practices and drive root cause analysis for recurring issues.

PROJECTS

SPRING BOOT CORRELATION ID STARTER | [GitHub](#) | [Maven Central](#)

- Designed and published a production-ready Spring Boot starter to Maven Central for **end-to-end request tracing** using correlation IDs and **MDC-based log enrichment**.
- Implemented automatic correlation ID generation and HTTP client propagation for **Rest Template** and **Web Client**, enabling **consistent cross-service request correlation**.
- Engineered async context propagation for **@Async** and **thread pool executors**, preserving **trace context** across background threads and improving **distributed debugging**.

VISCORD | [GitHub](#) | [Live](#)

- Engineered streamlined communication pathways within **Viscord**, optimizing voice, video, and text functionalities tailored for gaming communities by reducing API call times by **~20%**.
- Tailored servers, channels, and roles to enhance organizational efficiency and user interaction.
- Integrated Clerk functionality and robust moderation tools to foster collaboration and connectivity.
- Leveraged **NextJS**, **Tailwind**, **ShadCN**, **LiveKit**, and **Socket.io** to elevate Viscord's functionality and user experience and increased user engagement by **10%**.

GHAR | [GitHub](#) | [Live](#)

- Built Ghar Real Estate platform, facilitating seamless property transactions.
- Developed advanced search features with **100%** accuracy in token matching empowering users with informed decision-making capabilities.
- Engineered a responsive user interface using **ReactJS** and **Tailwind CSS**, improving page load times by **40%** and decreasing user bounce rate by **15%** across all marketing landing pages.
- Employed **NodeJS**, **ExpressJS**, **MongoDB**, and **Firebase** for scalable backend and database operations.

EDUCATION

RAJASTHAN TECHNICAL UNIVERSITY
Bachelor of Computer Science and Engineering

Nov 2021 – Aug 2025
CGPA: 8.33

THE CREATIVE BRAIN ACADEMY
Senior Secondary Education, Rajasthan Board

Apr 2019 – Jun 2020
Percentage: 92.40%