Jyotimoy Kashyap *Software Engineer II — Full-Stack Developer*

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PROFESSIONAL EXPERIENCE

Software Engineer II 10/2025 – Present
Oracle *Hyderabad, IN*

- **CFO Insights Engine:** Architected core Java backend services, REST APIs, and built the report configuration UI using TypeScript (MVVM pattern) from 0-to-1 for NetSuite 2026.2, supporting 28,000+ enterprise accounts over a rolling 2-year payroll window **(2026 Oracle Star Performer)**.
- **Dimensional Data Modeling:** Designed Star Schema in Oracle DB consolidating **5+ normalized tables** into a 2-table model, eliminating complex joins and slashing aggregation query latency by **80% (from 30+s to less than 2s).**
- **Legacy Architecture & Delivery:** Reverse-engineered undocumented legacy frameworks, slashing spike research from **1 month to 1 sprint**; delivered 2 labor and revenue reporting suites solo in **3 sprints**, saving **~3 engineer-months** of capacity to meet the tight NetSuite 2026.2 GA release deadline.

Software Engineer 07/2023 – 10/2025
Oracle *Hyderabad, IN*

- **Digital W-2 Portal:** Engineered end-to-end tax delivery by architecting backend microservices and implementing self-service screens in legacy apps using HTML/CSS, slashing distribution cycles from **2 months to 1 week** (**88% reduction**) and operational staffing from **4 operators to 1 (2025 Star Performer).**
- **High-Throughput Batch Pipeline:** Engineered a partitioned bulk pipeline processing **100,000+ W-2 files** within a **3-day** extraction and processing window, eliminating database lock contention by batching on company FEIN.
- **Zero-Storage Algorithmic Matching:** Architected stateless matching algorithms with **99.7%+ accuracy**; built automated error CSV reconciliation isolating 0.3% unmapped records, eliminating manual verification for **99%+** of files with zero data loss.
- **Cross-Functional Enablement:** Awarded **Helping Hand Award** within months of joining (Sep–Nov 2023) for proactively unblocking tooling/licensing bottlenecks and authoring onboarding guides across India and Kitchener teams.

Android Developer Intern 05/2022 – 06/2023
Eka Care *Bengaluru, KA*

- **Edge Hardware & Sensor R&D:** Engineered optical photoplethysmography (PPG) diagnostic tools, processing **3,600+** consecutive video frames (60-second red-channel light stream) at 60 FPS to compute Heart Rate (BPM).
- **Rendering & Background Sync:** Sustained locked **60 FPS rendering** on custom hardware-accelerated SurfaceView; built background synchronization pipelines using Android WorkManager for reliable offline sync.

PROJECTS & ACHIEVEMENTS

System Design Labs
Creator & Maintainer

- Engineered an open-source distributed systems monorepo (Java 21/25, Spring Boot, Redis, Docker, TypeScript) featuring production-grade concurrency LLD implementations, interactive protocol simulations (Raft, Consistent Hashing, Token Bucket), and database internal breakdowns.

Cough It
HackHarvard 2021 (1st Place Best Overall)

- Co-developed an acoustic COVID-19 diagnostic platform (Kotlin Android app, Node.js/AWS backend) detecting disease patterns from cough audio using custom CNN models with **94.6%** validation accuracy.

SKILLS

- **Languages:** Java, SQL, PL/SQL, C#, TypeScript, JavaScript, Kotlin
- **Backend & Architecture:** Distributed Systems, Microservices, REST APIs, Spring Boot, Concurrency & Multithreading, Dimensional Data Modeling
- **Databases & Cloud Tools:** Oracle Database, PostgreSQL, Redis, Apache Kafka, Docker, AWS, OCI, Git, CI/CD
- **Frontend:** React, HTML, CSS, Astro, Tailwind CSS, JavaScript, TypeScript
- **AI Tools:** Open AI Codex, Google Antigravity, OpenCode

EDUCATION

National Institute of Technology Silchar 07/2019 – 05/2023
Bachelor of Technology in Computer Science and Engineering *Silchar, AS*
GPA: 8.98 / 10.0 | Lead, Google Developer Student Clubs (2021–2022)