

VAIBHAV WAGHMARE

Full-Stack Engineer (Java + Nextjs)

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[LinkedIn](#) [GitHub](#) [Portfolio](#)

EDUCATION

National Institute of Technology, Tiruchirappalli (NIT Trichy)

Master of Computer Application (MCA)

Aug 2022 - Jun 2025

Savitribai Phule Pune University (SPPU)

Bachelor of Science in Computer Science (BSc. CS)

Jul 2019 - Jul 2022

TECHNICAL SKILLS

- **Languages:** Core Java, Java 8/23, Python, TypeScript, JavaScript, SQL
- **Backend:** Spring Boot, Spring WebFlux, FastAPI, gRPC, REST, GraphQL
- **Frontend:** React, Next.js, React Native, Tailwind CSS, Redux Toolkit
- **Databases & Caching:** PostgreSQL (R2DBC), Redis, AlloyDB
- **System Design:** Distributed Systems, Microservices, Event-Driven Architecture, Data Partitioning (Sharding, Consistent Hashing), Load Balancing, Caching, Fault Tolerance (Circuit Breaker, Rate Limiting, Idempotency)
- **Concurrency:** Java Virtual Threads, Reactive Streams, Backpressure Handling, Thread Pool Optimization
- **Security & Identity:** Spring Security, OAuth2, Keycloak, Entra ID, JWT, RSA/AES Cryptography
- **Testing & QA:** JUnit 5, Mockito, JaCoCo, Playwright, K6

PROFESSIONAL EXPERIENCE

Software Development Engineer 1 | Computer Age Management Services (CAMS, Chennai) Jul 2025 - Present

GSIP Corporate Platform | Next.js 16, TypeScript, Spring Boot 3.5, PostgreSQL, Keycloak

- Engineered B2B2C platform serving **100+ corporates** and **10K+ employees**, achieving **99.9% uptime**.
- Built **BFF architecture** and upload pipeline processing **50K+ records/batch**, reducing onboarding to minutes.

GIFT City Mutual Fund Platform | Spring Boot 3.4, WebFlux, R2DBC, Java 23, AlloyDB, React 18, Apigee

- Architected reactive platform handling daily transactions with **P95 latency <300ms** and **99.9% uptime**.
- Designed **4-tier security system** via Pub/Sub, enabling **real-time malware** scanning under **1 minutes**.

Transaction API Gateway | Spring Boot 3.4, WebFlux, gRPC, Java 22, R2DBC, Redis, Resilience4j

- Architected **reactive API** gateway processing **500K+ daily transactions** at **10K+ TPS** with **<100ms** latency.
- Integrated **gRPC microservices** and validation, **saving 70%** bandwidth and blocking **92%** of **invalid requests**.

CAMS SubKUA (eKYC SDK) | React Native, TypeScript, Java 21, Spring Boot, RSA/AES Cryptography

- Architected enterprise **eKYC SDK** with **99.1% test coverage**, cutting verification time to **<60 seconds**.
- Implemented **E2E encryption** and immutable audit logs, ensuring **SEBI compliance** and **93%** fewer vulnerabilities.

AutoDev (Autonomous Engineering Agent) | Python, LLM Agents, Prompt Engineering, GitLab API, CI/CD

- Built autonomous AI platform converting **GitLab issues** to **production code**, reducing manual effort by **65%**.
- Integrated **CI/CD loop** injecting logs back into the AI for automated debugging and rapid feature delivery.

PERSONAL PROJECTS

GymApp - Workout Tracker | React Native, JavaScript, Expo, Firebase | [Soon...](#)

- Built offline-first app with **505 exercises**, **100+ tools**, and MMKV storage (**30x faster** than AsyncStorage).

Spaced Repetition Extension | Chrome Extension, Manifest V3, SM-2 Algorithm | [LINK](#)

- Chrome Extension using **SM-2 algorithm**, offering **50+ premium features** for free to enhance productivity.

Amul Availability Checker | Python, Telegram Bot, Selenium | [LINK](#)

- Telegram bot tracking **20+ products** across **50+ locations**, sending **500+ daily alerts** with **99% success rate**.

ACHIEVEMENTS & LEADERSHIP

- **LeetCode Knight** (Max rating: **2012**) | **1,500+** problems solved across platforms like **Leetcode**, **Codeforces**, **Codechef**
- Ranked **23rd** in **Amazon ML Challenge 2024** among **10,000+** participants
- **20+ open source projects** on GitHub with **1000+** total contributions
- Machine Learning Mentor | **NIT Trichy** (mentored **30+ students** on ML/DS)
- Event Execution Committee Member | Version '24, **NIT Trichy** (India's largest MCA Tech Fest, **1K+ attendees**)
- **Gold medalist** in UG | **Secured places** in Rubik's Cube(**1st**), Carrom(**1st**), Chess(**2nd**) competition at NIT Trichy