

Vedant Kokate

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EDUCATION

K. J. Somaiya (KJSIEIT), Mumbai University

Bachelor of Information Technology (CGPA: 8.51)

Mumbai, India

2018 – 2022

EXPERIENCE

BrowserStack

Software Engineer

Remote, India

Nov 2023 – Mar 2026

- Spearheaded the migration of reporting infrastructure from MySQL to **ClickHouse**, optimizing scans of **500M+ row tables** to reduce query latency from timeouts to **<300ms**.
- Architected backend services to support **100% traffic growth** every quarter, ensuring zero downtime for high-scale enterprise clients including **GM and PayPal**.
- Redesigned the CSV Import engine with built-in **fault tolerance and automated retry policies**, reducing API overhead from $O(N)$ to $O(1)$ calls while doubling large-scale processing speeds.
- Orchestrated a high-impact, **4-team cross-functional engineering project**, managing asynchronous stakeholder communication and architectural alignment to ensure seamless technical execution.
- Designed a complex **Advanced Filtering engine** supporting nested Boolean logic (AND/OR/NOT) and implemented cursor-based pagination to optimize high-volume data retrieval.
- Implemented a **global response validation/sanitization middleware** for all outbound API data to eliminate XSS vulnerabilities across the platform without altering source data integrity.
- Mentored 3+ junior engineers and established standardized guidelines for production debugging and code migrations, accelerating subsequent deployment velocity by **20%**.

Coindhan

Backend Engineer

Remote, India

Nov 2022 – Aug 2023

- Engineered high-frequency **Constant Trade** and **Arbitrage** algorithms, utilizing Redis for real-time execution and persistent state data retention.
- Built and maintained production-level APIs using **Ruby on Rails** with a hybrid DynamoDB and MySQL architecture.
- Integrated third-party KYC services (HyperVerge, Paysharp) leveraging robust **error handling and retry mechanisms** to secure P2P trading features against network-level faults.

ACHIEVEMENTS & LEADERSHIP

Student Satellite Program (BeliefSat) | *Firmware Developer* | [GitHub](#)

2018 – 2020

- Developed mission-critical firmware and an optical safety algorithm for a 2P Cubesat successfully launched via ISRO (2025), optimizing custom embedded systems to run flawlessly within extreme 32KB memory constraints.

Google Hash Code | *Top 1% Global*

2021

- Secured Global AIR 271 among 10,000+ teams, demonstrating elite algorithmic problem-solving skills.

Project Euler | *99.8th Percentile*

Ongoing

- Solved 230+ complex mathematical programming problems, ranking in the top 0.2% of users globally.

Infinite Loop (Coding Club) | *Founder & President*

2019 – 2022

- Scaled the club from 3 to **200+ active members** by establishing a competitive programming culture.
- Organized "Project Her," one of the world's largest women-only coding contests with **1,700+ participants**.

Hackathon Portfolio | [View Certificates & Awards](#)

- Won 3 Hackathons and 1 coding contest during my college years.

TECHNICAL SKILLS

Languages: Ruby, Java, Python, C++, SQL, JavaScript (ES6+), Embedded C

Backend Frameworks: Ruby on Rails, Spring Boot, Node.js, Express, Flask

Data Architecture: ClickHouse (OLAP), MySQL (OLTP), DynamoDB, Redis (Caching), Kafka

Infrastructure & DevOps: Docker, Microservices Architecture, CI/CD Pipelines, RESTful APIs

Systems Engineering: Distributed Systems, Query Optimization & Index Tuning, Event-Driven Architecture, High-Availability Design