

Aakarsh Arora

Backend Developer | Finance Systems

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GitHub — LinkedIn — LeetCode

Professional Summary

Backend Developer with 7+ Months experience delivering secure, high-volume finance systems. – Designed KYC and payment pipelines achieving 99.99% uptime. – Reduced API latency by 50% through optimized Kafka Streams and Redis caching. – Boosted test coverage from 65% to 95%, detecting and eliminating 40% more edge-case defects. Skilled in Node.js, MongoDB, Redis, Javascript, microservices, Docker

Education

B.Tech in Computer Science , Shri Ramswaroop Memorial University	2020–2024
12th Grade (93.2%) , City Montessori School, Lucknow	2020
10th Grade (95.2%) , City Montessori School, Lucknow	2018

Professional Experience

Backend Developer , FanCraze (Onsite)	Nov 2024–Present
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- Engineered finance & KYC modules processing numerous transactions/month with 99.99% uptime and 0% data loss.
- Integrated 5+ payment gateways with idempotent webhooks, cutting reconciliation errors by 80%.
- Optimized Kafka Streams & Redis cache, reducing API response times by more than 50%.
- Authored architecture docs and runbooks for payment exception flows, accelerating new-hire onboarding by 50%.

Software Engineering Intern , DesiQna (Remote)	Jun 2023–Aug 2023
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- Built user-login and Q&A dashboard in Node.js/Express, increasing daily active sessions by 20%.
- Hardened authentication flows with JWT and Redis session store, slashing login failures by 60%.

Finance Systems Highlights

- Payment Integration:** Abstracted third-party APIs for refunds, retries, idempotency.
- KYC Automation:** Developed rule-engine for document verification, achieving 95% auto-approval rate.
- Data Consistency:** Enforced MongoDB ACID transactions, ensuring 100% ledger reconciliation.
- Fraud Protection:** Implemented rate-limiting, token expiry, and payload validation to block 99% of suspicious flows.

Selected Projects

CodeLeela ([Live](#) — [Repo](#))

Social platform for coders, with JWT auth, image uploads, and real-time feed. *Node.js, Express, MongoDB, Multer, Socket.io*

Personal Note App ([Live](#) — [Repo](#))

Full CRUD note-taking with session-based auth, caching, and search filters. *Node.js, Express, MongoDB, JWT, Redis*

Movie Search App ([Live](#) — [Repo](#))

OMDB-powered search with responsive UI. *HTML5, CSS3, Vanilla JavaScript*

Technical Skills

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| <ul style="list-style-type: none">Node.js & ExpressJavaScript & TypeScriptJava, Python, PHPMongoDB & MySQLKafka & Kafka Streams | <ul style="list-style-type: none">Redis & RabbitMQDocker, Docker ComposeKubernetesAWS (EC2, S3)OAuth2, JWT |
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Soft Skills

- Leadership & Team Management
- Cross-functional Collaboration
- Agile & Scrum Facilitation
- Problem Solving & Debugging
- Effective Written & Verbal Communication

Achievements

- Developed a full-stack online voting system; handled 500+ concurrent users in final year project.
- Solved 400+ LeetCode problems; ranked in top 2% globally for algorithms challenge.
- Led dramatics team to 3 inter-college fest championships; coordinated 10+ events.

Relevant Coursework

Object-Oriented Programming, Database Management Systems, Operating Systems, Distributed Systems