# Aviral Srivastava

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*Github. Leetcode Linkedin*

SUMMARY

**Performance-driven** Backend Developer with **3 years** of IT experience specializing in high-availability **Java,** microservices and **enterprise-scale RESTful APIs.** Proven expertise in optimizing system reliability and migrating monolithic systems to scalable cloud-native architectures. Adept at working in **Agile/Scrum** environments with a strong focus on **DevOps** automation and **Google Cloud** integration.

SKILLS

- **Languages:** Java, C++, SQL (PostgreSQL/SQL Server), JavaScript(Node JS)
- **Frameworks:** React, Angular, REST API, gRPC, kafka
- **Databases:** PostgreSQL, Oracle, Redis
- **Frontend:** Angular JS, React JS, HTML5, CSS3
- **Monitoring:** Splunk, Grafana, Dynatrace, Kubernetes
- **Testing:** XUnit, Moq, Apache JMeter
- **Cloud & DevOps:** AWS Lambda, CloudWatch, DynamoDB, GCE, Sagemaker
- **Other:** Git, Agile Scrum, Domain-Driven Design (DDD), Copilot, Playwright, API Development, Microservices EXPERIENCE

### Flipkart via SmartIMS

**Bengaluru, KA**

*Software Development Engineer I* ***May 2024 – Present***

- Engineered and optimized backend data-processing workflows using **Java, Spring Boot, Hibernate, and SQL**, applying query optimization, indexing strategies, and efficient ORM practices to improve data retrieval and reduce database overhead
- Developed and managed **concurrent scheduled job executions and asynchronous processing pipelines**, implementing thread management, execution controls, retry handling, and failure recovery to ensure consistent processing of time-sensitive business operations
- Implemented modular backend components using **Object-Oriented Programming, SOLID principles, and Low-Level Design patterns**, improving code reusability, maintainability, and extensibility across application services

### Fiserv

**Bengaluru, KA**

*Software Engineer — Technology Analyst II* ***August 2024 – April 2024***

- Led design and enhancement of **backend-driven loyalty systems** and agent portals using **Java, and microservices** architecture, supporting credit card rewards allocation and redemption workflows, improving processing efficiency by 30% and reducing manual effort by **20%**
- Designed and implemented scalable, high-performance backend services and integrations leveraging **REST APIs and event-driven architecture (Kafka),** handling **high-volume reward transactions,** improving response time by 25% and enhancing overall system reliability and user experience
- Built and integrated AI-driven solutions and automation workflows, leveraging **cloud services (AWS)** and **caching (Redis),** reducing manual intervention by 35% and **achieving 95%+ operational accuracy** across loyalty processing systems.

PROJECTS

**ArchiteKt – AI-Powered System Design Platform** | Link **August 2025 – January 2026**

- Developed ArchiteKt, a comprehensive system design learning platform using React (Vite), Node.js, and python (FastAPI), featuring an interactive React Flow playground for real-time architectural diagramming and brainstorming
- Integrated Google Gemini AI API to pioneer Architecture-as-a-Service (AaaS) and an automated Resume Analyzer, providing real-time feedback on system designs and engineering resumes, enhancing user design proficiency and ATS compatibility
- Engineered a robust, multi-backend infrastructure with Supabase (PostgreSQL) for persistence andRazorpay for secure payments, ensuring 95%+ code reliability through extensive unit and integration testing with Vitest and React Testing Library

**Medify – AI-Powered Healthcare Platform** **February 2023 – May 2023**

- **Built** a platform simulating hospital-scale **EHR workflows** with **30+ ML models** for disease classification (97% accuracy), real-time consultations, and centralized health records — reducing paperwork by 98%
- Streamlined prescription generation using **NLP pipelines,** cutting manual time by **80%**
- Modeled a scalable backend with **Python, Node.js, React.js,** and **PostgreSQL** to simulate durable, low-latency access to medical data

ACHIEVEMENTS

- Living Proof Award winner in Fiserv.
- AWS Certified Cloud Practitioner.
- Solved **150+** coding problems.
- Emerged victorious in the **GOOGLE DEVFEST'21**

EDUCATION

**Vellore Institute of Technology, Bhopal, MP** **September** 2020 – May 2024
Bachelor of Technology in Computer Science & Engineering GPA: **8.25/10**

CERTIFICATIONS

- AWS Certified Cloud Practitioner (Amazon)
- Agile with Atlassian Jira (Coursera)