

SHALU AGARWAL

Professional Summary:

Senior Software Engineer, Merchant and Acquirer Processing

-Visa Inc, Bangalore

[Aug '19 – present]

- Designed and developed a reactive microservice responsible for fetching merchant details from database during online transaction processing. Implemented a distributed in-memory cache using Redis to improve the response times.
- Did a POC on building a centralized logging system for distributed microservices using Kafka.
- Experienced in working on/developing a platform that is capable of handling around 10k transactions per second and is highly scalable and available.

Software Engineer, Merchant and Acquirer Processing

- Visa Inc, Bangalore

[Jul'17–Jul'19]

- Worked as a backend java developer in the Payments team.
- Worked on building multiple acquirer/merchant connections on the Cybersource platform, namely for Fdiglobal, LVMH, Amexdirect, NPCI.
- Maintained multiple containerized microservices responsible for handling different parts of transaction processing, like authorization, billing, etc.

Academic Summary:

Degree / Examination	University/ Board	College/ School	Passing Year	CGPA
B. Tech Electronics and Communication Engineering, Minor in Computer Science and Engineering	IIT (ISM) Dhanbad	IIT(ISM) Dhanbad	2017	9.1
XII	CBSE	Dhanbad Public School	2012	94.2%
X	CBSE	Dhanbad Public School	2010	9.8

Technical Skills:

- Programming languages: Java, C++, C
- Database technologies: MySQL, Redis
- Frameworks: Vertx, Spring, Junit
- Deployment platforms: Docker, Tomcat

Projects:

- Developed the back end of an intra-campus discussion forum using Node.js, MySQL.
- Completed several robotics projects like LED Matrix based game using Atmega328 microcontroller IC, Ultrasound sensor based ranging device with wireless communication, Gesture controlled robot using accelerometer, etc.

Achievements:

- Received ACE awards for showing accountability and ownership for the projects undertaken.
- Awarded with “Developer of the Month” multiple times by the team members.
- 3rd rank holder in Department of ECE (Electronics and Communication Engineering), IIT(ISM) Dhanbad.