# Tarang Khetan

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## EXPERIENCE

**slice**                                                                                      Bangalore, KA
*Software Development Engineer-2*                                                           *Jan 2022 - Present*
- Contributed to the **Payment Gateway Service**, which offers various payment methods, have transaction and client-level payment locking features for their clients. It offers transaction-level routing config.
- Reduced operational overhead by documenting key processes, simulating external dependencies, and optimizing on-call workflows, resulting in a **100% reduction** of support queries in specific areas.
- Improved system scalability and performance by addressing the OSIV anti-pattern, enhancing **kafka consumer throughput by up to 20x** via concurrent message processing with thread pooling, and resolving race conditions that mitigated potential financial losses while reducing operational load.
- Designed and developed the critical "Payouts-SVC" a distributed, scalable, multi-tenant, and multi-vendor service handling **600-700 rpm** during peak hours with an impressive **99% success rate** for disbursing funds to customers. It has facilitated disbursements totaling around **700 crores** every month.
- Designed and implemented LLDs for diverse systems, promoting manageable and modular codebases by adopting various architectural design patterns, including the **Hexagonal architecture**.
- Built a robust **retry mechanism and asynchronous** order processing system that reduced order failure rates and increased success during high traffic periods and payment gateway server's downtime.
- Implemented **dynamic data segregation** mechanisms to meet diverse client requirements, ensuring adherence to regulatory compliance standards.
- Achieved an impressive **96% success rate** for Electronic Gift Vouchers (EGVs), up from 80%, by identifying and rectifying bugs and edge cases in the legacy codebase.
- **Tools & Technologies:** Java, Spring Boot, Node.js, React.js, Typescript, MongoDB, AWS SQS, AWS SNS, Kafka, Postgres, Redis, Github

**Frshr Technologies**                                                                         Bangalore, KA
*Software Engineering Intern*                                                               *Dec 2020 - Jan 2022*
- Designed and developed a crypto token transaction system along with a marketplace for Non-Fungible Tokens (NFTs) which offers seamless transactions using HBAR coins.
- **Tools & Technologies:** Node.js, Express & MongoDB

**Six Hats Fathoms**                                                                           Vadodara, GJ
*Software Engineering Intern*                                                               *May 2020 - Sep 2020*
- Developed and designed a responsive Content Management System offereing CRUD functionality with ACS.
- Created a mobile-responsive service booking website for various sectors, offering flexibility to choose preferred agents and time slots with proper booking locks.
- **Tools & Technologies:** React, React-Bootstrap, CSS & HTML.

## PROJECTS

- **Ecommerce Website**
  - Project aims towards to develop clone of e-commerce site using microservice architecture. The module includes payment, authentication & authorization, cart, product, etc.
  - **Tools & Technologies:** Node.js, MongoDB, MySQL, AWS S3, React.js & CSS.

## EDUCATION

**Indian Institute of Information Technology Jabalpur**                                         Jabalpur, MP
*Bachelor of Technology in Computer Science and Engineering; GPA: 8.5/10*                   *July 2018 - April 2022*

## ACHIEVEMENTS

- **slice Lab - Slice Hackathon**
  - Secured first place in hackathon by boosting customer experience and increasing customer support productivity.
  - Solutions involved an advanced chatbot with customer insights, guided support for CX executives with relevant past tickets and docs, and intelligent guided responses.

- **Think, Code & Innovate - Slice Hackathon** Received a special mention for the thoughtful design and implementation process of the expense tracker.
- Received **"SPOTLIGHT"** & **"Star of Sprint"** Awards for outstanding and consistent performance.