

# Veerender Rathod

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## SUMMARY

Experienced Software Engineer with 5+ years of expertise in scalable systems, microservices, and distributed architectures. Skilled in designing and optimizing high-throughput systems using Java, Golang, and Apache Flink. Demonstrated success in reducing system latencies, improving data reliability, and delivering end-to-end solutions for data processing and API integrations.

## TECHNICAL SKILLS

**Proficient:** GoLang, Gin Framework, Java, MySQL, Scylla, SpringBoot, Redis, Git, Docker, Microservices, Kafka, DynamoDB, Apache Flink, MCP, Windsurf.

**Familiar:** Python, AWS, Kubernetes, Jmeter, C/C++, Newrelic.

## EXPERIENCE

### Pixis

Sep 2023 – Present

Senior Software Engineer

Bangalore

- Develop a scalable **Golang** event processing service handling **100K rpm** with **99%** reduced data loss, **integrating Kafka for data ingestion and secure API transfers**. Retry mechanisms with exponential backoff and improved system resilience and reliability, integrating **Dead Letter queues to reduce retry failures by 40%**.
- Built a Golang network interface to standardize request/response marshaling, introducing a plugin-based architecture to streamline error or response handling and boost team efficiency by **20%**.
- Engineered a Flink job PostgreSQL CDC stream and marketing platform data into an Iceberg Data Lakehouse, optimizing data query times by **15%** through advanced transformation techniques.
- Designed a Flink job registry service for version control and lifecycle management, **reducing deployment time by 25%** and improving job traceability by **40%** through Decodable and prefect integration.
- Architected a real-time Kafka stream processing pipeline with Apache Iceberg, handling **1M+ events/sec** at sub-second latency, leveraging fault-tolerant designs and transformation logic to boost **throughput by 25%**.

### Threedots

Mar 2022 – Aug 2023

Software Engineer

Bangalore

- Led the development of an online gaming service in Java offering League, Prediction, Trading, and Quiz Match formats. Introduced a live leaderboard that boosted **DAU/MAU** ratio from **5% to 50%**. Transitioned the service to Golang, achieving a **2x reduction in Heap storage/CPU usage**, a **2x throughput improvement**, and a **3x latency decrease**.
- Managed and enhanced a virtual currency wallet for seamless gaming transactions, enabling users to add currency, play games, and convert virtual currency to real money, processing **20K+ transactions daily**.
- Engineered a Flink job to migrate PostgreSQL CDC data to Kafka, applying transformation logic to standardize and enrich data streams, improving downstream data accuracy by **30%**.

### Ola Electric

July 2020 – Feb 2022

Software Engineer

Bangalore

- Created a scalable **User Auth and SSO solution using JWT authentication**, supporting concurrent logins across devices and multi-organization sign-ups. Achieved robust authentication at **50K rpm** with reinforced validation mechanisms, reducing unauthorized access attempts by **25%**.
- Developed a multi-organization user service platform that supports concurrent multi-tenancy and owner-employee features, reducing onboarding time by **30%** while efficiently handling **80K rpm**.
- Designed a secure multi-tenant wallet platform with owner-employee features, processing **50K rpm**. Optimized transactional security and reduced adjustment request turnaround by **20%**.
- Implemented a Flink job integrating Kafka, transforming data from proto to JSON and Java code for downstream services, improving processing speed by **25%** and enabling real-time analytics.

### Ola Electric

Jan 2020 – Jun 2020

Software Intern

Bangalore

- Contributed to multi-tenant user management and tags module for the tenant.
- Made a contribution to a flink job to ingest events from Kafka and onboard user wallets to the wallet service asynchronously.
- Had a hand in payment service for various payment integrations with different payment platforms.

## EDUCATION

### Indian institute of information Technology Allahabad

Allahabad

Bachelor of Technology and Master of Technology in Information Technology (Dual Degree)

Aug 2015 – July 2020

## ACHIEVEMENTS AND AWARDS

- Qualified **GATE** 2019.
- The Spot Light Award**, Ola Electric, Bangalore.
- The Warthog of Backend**, Threedots, Bangalore.
- Pixis Trailblazers**, Pixis, Bangalore.