

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.