Shaurya Singh

Senior Engineer — Rust — Distributed Systems
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Professional Summary

Senior Engineer with 3+ years of experience specializing in Rust-based backend systems, Web3 integrations, and real-time applications. Proven track record of building scalable marketplaces, gaming platforms, and employee monitoring tools. Expertise in microservices, Actix-web, Kafka, and PostgreSQL with a focus on low-latency APIs, high availability, and Test-Driven Development (TDD).

Technical Skills

Backend & Systems: Rust, Actix Web, RESTful APIs, Microservices
Distributed Systems: Event-Driven Systems, Kafka, High Availability, Fault Tolerance
Databases: PostgreSQL, Redis, Query Optimization
DevOps & Tools: Docker, Kubernetes, Linux, CI/CD, Git, Grafana, TDD

Experience

Backend Developer 2022 – Present
PHȲND Gaming Platform

- Built core gaming platform services using Rust and Actix-web for high-performance game discovery and user progression tracking.
- Developed scalable APIs optimized for TV environments, handling game discovery, social features, and real-time interactions.
- Implemented matchmaking systems, player statistics tracking, and achievement management with low-latency performance.
- Designed and deployed microservices architecture ensuring high availability and fault tolerance.
- Optimized database queries and caching strategies for concurrent user sessions and real-time game state updates.

Backend Developer 2021 – 2022
RapidShot Employee Monitoring Tool

- Developed high-performance Rust backend APIs for employee productivity monitoring and desktop activity tracking.
- Engineered secure, real-time analytics systems for data processing and Tauri desktop application integration.
- Implemented efficient data pipelines handling continuous activity streams with minimal performance overhead.
- Built robust authentication and authorization systems ensuring data privacy and secure access.
- Optimized backend services for real-time data synchronization and analytics dashboard generation.

Key Achievements

- Developed event-driven microservices architecture using Kafka for real-time data processing.
- Implemented comprehensive TDD practices resulting in maintainable and bug-resistant codebase.
- Optimized PostgreSQL performance for high-throughput operations and complex query workloads.

Career Objective

Looking to join a high-impact, engineering-driven team to deepen expertise in Rust and distributed systems, work on large-scale, performance-critical systems, and build products that scale and make a meaningful difference.