PRINCE DUBEY

Senior Backend Engineer
Distributed Systems • Real-Time Analytics • Cloud Infrastructure

My Contact

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Skills

- Data Structures and Algorithms
- System Design, Performance Optimization, Scalability & Reliability, Backend Architecture
- Core Java, Golang, JavaScript, Python
- Spring Boot, Express.js, Apache Beam, Django, Flask
- MongoDB, BigTable, Neo4j, ElasticSearch
- ClickHouse, BigQuery, MySQL
- Redis
- Kafka, Google Pub/Sub
- AWS, GCP
- NGINX, Docker
- Jenkins, GitHub Actions
- REST APIs, gRPC, WebSockets, Polling, GraphQL, ProtoBufs
- Data Pipelines, Stream Processing, Real-Time Analytics, ETL Optimization
- Observability (openTelemetry, sentry)
- Git
- Agentic AI
- MCP server

Projects

● Log Nerve

A polyglot microservices logging platform built with an event-driven architecture (Kafka). Ingests logs via SDKs/CDN, processes + detects anomalies, and serves a React dashboard—using service-specific frameworks and databases to showcase real-world system design.

https://github.com/Geek-prince7/logger-monorepo

About Me

Senior Backend Engineer with 5+ years of experience building and scaling distributed, data-intensive systems. Specialized in real-time analytics, event-driven architectures, and low-latency pipelines using Java, Spring Boot, Kafka, ClickHouse, Redis, and cloud platforms (AWS, GCP). Currently working on large-scale analytics products processing 50M+ daily events, with a strong focus on reliability, performance, and cost efficiency.

Professional Experience

Wingify Software Pvt Ltd | Senior Software Engineer

March 2024 – september 2024 (SE-2) | October 2024 - Present (Senior Software Engineer - 1)

Key responsibilities:
- Led backend and data layer development of the Analytics platform, a flagship product enabling campaign-less behavior analysis and custom data playgrounds — adopted by 70%+ active customers, driving ~17% uplift in revenue and improving data exploration speed 3×.
- Sole backend and data layer developer for the User Journeys feature (Neo4j-powered), enabling multi-funnel visualization and complex user path insights — now used by 60%+ customers and credited for a 30% boost in engagement metrics.
- Architected 2TB+/day data deduplication platform with BigTable & Kafka Streams, achieving 99.99% accuracy and 40% cost reduction in processing pipelines.
- Built and optimized a real-time analytics engine processing 50M+ events/day, reducing query latency by 67% (300ms → 100ms) through ClickHouse schema tuning, query optimization, and multi-region infra improvements.

Allorasoft Pvt Ltd | Software Engineer –2

october 2022 – October 2023 (SE - 1) | October 2023 - March 2024 (SE - 2)

Key responsibilities:
- Designed and developed a Payroll Management System for 3K+ employees, automating complex calculations (tax, leaves, incentives) and reducing manual processing effort by 60% while maintaining 99.9% accuracy.
- Built and deployed the Employee Onboarding Module, streamlining workflows across 5 departments, cutting onboarding time by 50% and improving HR productivity by 35%.
- Engineered the Allora HRMS Mobile App (Flutter) with attendance tracking, geo-punching, onboarding flows, and push notifications, supporting 9K+ daily active users with zero post-release crashes.
- Solely architected and developed Phoenix Uploader, a distributed client-server command system managing 7K+ biometric devices and processing 4M+ punch records/day.
- Implemented Kafka-based batch processing, reducing upload latency by 70% and achieving 99.95% reliability, while enabling remote device control (registration, restart, shutdown, storage cleanup).

IJ Bemus pvt ltd | Software Engineer - 1

April 2021 - September 2021 (Intern) | October 2021 - september 2022 (SE - 1)

Key responsibilities:
- Automated Rider KYC Verification by integrating Signzy APIs, reducing onboarding time from 2 days to under 30 minutes and enabling 95% faster verification with zero manual errors.
- Designed and built an Admin Dashboard Microservice from scratch, delivering 25+ REST APIs to support operational workflows, improving dashboard performance by 40% and handling 10K+ concurrent admin actions.
- Implemented an Automated Payout System, replacing multi-level manual approvals and reducing payout processing time by 80%, ensuring 100% on-time disbursements across 100K+ weekly transactions.
- Developed Rider Retention, Ledger, and Geo-fencing modules, improving job-to-rider matching accuracy by 35%, increasing rider engagement by 25%, and reducing idle time per rider by 20%.