

NOOKA PRAVEEN

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PROFESSIONAL SUMMARY

Backend Engineer with 2 YOE building scalable distributed systems and low-latency backend services in production. Focused on reliability, performance, and operational efficiency with strong end-to-end ownership.

WORK EXPERIENCE

Software Engineer 1 - Helpshift, A Keywords Technology

Feb 2024 - Present

AI Agent Configuration

- Built a distributed data model and state-transition system handling **110+ RPS** with **60ms** latency using partitioning, sharding, Redis caching, and optimized indexing methods.
- Delivered a version-safe, fault-tolerant state machine for complex entity lifecycles, backed by unit and integration testing to minimize production inconsistencies and ensure reliable long-term maintainability

Cluster Infrastructure Split

- Led architectural separation of high-volume SDK traffic, offloading **75%** system load and protecting critical business workflows during **3x** traffic spikes and **150% QPS** growth.
- Delivered enhanced observability using Grafana dashboards and Kibana alerts, enabling automated SLO monitoring and sustaining **99.98%** service availability.

Zero-Downtime Domain Refactoring Initiative

- Re-engineered legacy entities with a dual-write migration approach to deliver conflict-free rollout across services, strengthening scalability, backward compatibility, and data integrity without service disruption.

AI feature Authorization System

- Developed a flexible RBAC-based feature authorization framework exposed via internal dashboard, eliminating manual Jenkins workflows and reducing operational support overhead by **99%**.

SKILLS AND TECHNOLOGIES

Programming Languages: Clojure, Java, C++, JavaScript, Python, SQL

Backend & Architecture: Distributed Systems, Microservices, Event-Driven Architecture, RESTful API design

Core Competencies: Functional Programming, Concurrency, Multithreading, Caching Strategies

Engineering Practices: Scalability, Fault Tolerance, API Design, Performance Optimization, Clean Code

Databases & Message Queues: PostgreSQL, MongoDB, Yugabyte, Redis, Elasticsearch, Kafka

Cloud & DevOps: AWS, Docker, CI/CD, Jenkins, Linux, Grafana, Kibana

PROJECTS

[CF College Standings](#) [Chrome Extension] *JavaScript, Chrome APIs, Web Scraping*

Aug 2024

- Built a real-time competitive programming leaderboard used by **2,000+ active** users with **4.8-star** rating, consolidating fragmented contest data into a unified interface where users can get organizational data.

[On-call Scheduler](#) [Backend Service] *Clojure, Algorithms, Firebase*

Apr 2025

- Designed a conflict-free scheduling engine using backtracking and constraint optimization, reducing manual planning from hours to seconds while ensuring **85% fair distribution**.

EDUCATION

Army Institute of Technology

Pune, Maharashtra

Bachelor of Engineering (Information Technology) – **9.1 CGPA**

Jul 2020 - Jun 2024

- Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming (OOP), Operating Systems, Database Management Systems (DBMS), Computer Networks, Design Patterns, System Design.

ACHIEVEMENTS

- Codeforces Specialist:** Max Rating 1577 [Username: **NOVAA**]

- Leetcode Knight:** Max Rating 1852 [Username: **NOVAA**]

- ICPC 2023 Regionalist:** AIR 41 / 1669 in qualifiers (Amritapuri & Kanpur regionals)