

Nikhil Tiwari

Lead Software Engineer

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SKILLS

Program Management: SDLC (Software Development Life Cycle), Resource Planning, Jira

Technical Skills: Java, PHP, Golang, Python, Spring Boot, Laravel, NiFi, Workbox, AWS (S3, Lambda, SQS, EventBridge, ElastiCache), Docker, Kubernetes, MySQL, Redis, Kafka, RESTful APIs, ETL, Performance Optimization, Progressive Web Apps (PWA), Trusted Web Activities (TWA)

PROFESSIONAL EXPERIENCE

OPTUM (UHG)

Gurugram, Haryana

Lead Software Engineer

Mar 2023 - Dec 2024

- Designed and implemented a high-performance archival service to enhance MySQL query times and system efficiency.
- Led a team in delivering a dynamic rule engine project for real-time processing with greater adaptability.
- Developed a microservice in Golang for event orchestration, utilizing AWS SQS and EventBridge.

Sr. Software Engineer

Sep 2022 - Mar 2023

- Operations Improvement Project
- Led performance optimization efforts, reducing MySQL query load times from 2 seconds to 200-500ms.
- Architected centralized AWS ElastiCache Redis solution, improving application response time.
- Developed and deployed microservices for enhanced modularity and scalability of the platform.

Software Engineer

Oct 2020 - Sep 2022

- Optimized legacy PHP code, enhancing performance and maintainability.
- Developed an event-driven consumer app for AWS SQS message processing.
- Leveraged NiFi for ETL integration, optimizing data processing.
- Collaborated on scalable architecture design and performance testing.

NOTIFYVISITORS

Delhi, Delhi

Software Engineer

Feb 2019 - Jan 2020

- Led a micro-project to develop and implement Progressive Web Applications (PWA) and Trusted Web Activities (TWA) for clients, automating TWA APK creation for streamlined deployment.
- Built a Pub-Sub architecture using Kafka for large-scale data analytics, enabling efficient user session and heatmap data streaming.
- Developed a custom wrapper for Workbox to enhance client-side caching and improve performance.

BIGLY TECHNOLOGIES

Noida, UP

Junior Software Developer

Nov 2017 - June 2018

- Developed and tested RESTful APIs to enhance backend functionality and data integration.
- Transitioned from core PHP to Laravel, strengthening expertise in MVC architecture.
- Utilized PHP, MySQL, HTML, CSS, and JavaScript for full stack development at Bigly - Online Reselling App.

EDUCATION

APSU UNIVERSITY

Satna, MP

Bachelor of Computer Application (BCA)

2014-2017