

Mukesh Kumar

Seasoned Software Engineer

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Summary

Seasoned Software Engineer with over 10 years of expertise in developing high-performance applications. Currently, I lead engineering initiatives at PhonePe, focusing on automation and infrastructure. I excel in backend development, have a strong grasp of microservices architecture, and have consistently delivered scalable solutions for diverse organizations. My passion lies in mentoring teams and driving technical excellence

Experience

PhonePe

Software Engineer

Bangalore, India

10/2022 - Present

Leading digital payments and financial services company in India

- Spearheaded technical development of Schema Registry service with robust versioning mechanisms, ensuring seamless schema evolution across 50+ microservices and ETL pipeline integration supporting 3M+ RPS Kafka events
- Designed enterprise automation platform reducing SRE manual overhead by 80% (200+ engineer-hours weekly), achieving 99.9% reliability for mission-critical DB operations, security upgrades, and infrastructure management
- Enhanced Authn/Authz system to handle 10K+ RPS with 99.9% SLA, architected organization-wide cascading authentication and led Java 17 migration with critical features (Maker-Checker)
- Owned end-to-end production deployment with comprehensive observability, built Grafana dashboards and automated alerting for operational excellence
- Mentored engineering teams through knowledge transfer sessions, led cross-functional Engineering/SRE/DevOps initiatives, established CI/CD automation standards and infrastructure-as-code principles

Udaan

Sr. Software Engineer

Bangalore, India

07/2020 - 09/2022

A B2B e-commerce platform that connects manufacturers, wholesalers, and retailers

- Scaled Udaan-Express from 1K to 200K daily orders across 1K+ clients through API integration, web app development, and bulk order processing optimization
- Optimized system stability from 99.9% to 99.99% while cost-effectively handling 2K RPS with enhanced performance monitoring
- Implemented Variable Rate-card pricing for Lane-based and Zone-based B2B/B2C clients providing accurate logistics charge calculations
- Enabled cashless COD payments through verified payment link system sent to consignees, improving payment success rates
- Built push-based notification platform using Azure event-hub for real-time order updates to sellers
- Automated DPM incentive system with contract pricing based on KM, KG, TP, FUEL metrics, eliminating manual Field Executive calculations

OYO

Sr. Software Developer

Gurgaon, India

09/2019 - 06/2020

Hospitality company that offers budget lodging and services

- Designed OYO Money wallet redemption feature with user segment restrictions, increasing customer bookings by 3-5%
- Developed On-Page OTP collection for Paytm-gateway hotel booking payments, improving success rate by 2-3%
- Enhanced payment gateway integration for debit/credit card transactions with improved user experience

Delhivery

Sr. Software Developer

Gurgaon, India

08/2017 - 06/2019

Logistics and supply chain services company

- Led full-stack development of Client Panel enabling 10K+ clients to manifest, track orders, and generate customized reports
- Implemented multi-user management system with role-based access control for platform services
- Built actionable insights dashboard providing WoW/MoM analytics including ETA/TAT, order volume, revenue, and geographic shipment mapping
- Delivered comprehensive reporting system with scheduled report generation and NDR shipment tracking

Delhivery

Software Developer

Gurgaon, India

08/2015 - 07/2017

Logistics and supply chain services company

- Developed Hyperlocal platform from scratch enabling local retailers on e-commerce with online/offline functionality
- Implemented robust transaction syncing with comprehensive exception handling and offline capability
- Built advanced inventory management with product catalog and detailed transaction reporting for merchants

Experience

Jeevomics

Software Developer Intern

Delhi, India

01/2015 - 06/2015

Startup focused on bioinformatics and computational biology

- Front-end development of Experiments and Analysis Tracker Panel for General Metabolics scientists

Education

IIIT, Allahabad

B.Tech IT

Allahabad, India

08/2011 - 05/2015

JNV, Shahjahanpur

10+2 CBSE

Shahjahanpur, India

04/2009 - 03/2010

Key Achievements



Merit Incentive Award

Received Merit Incentive Award for exceptional academic performance during my B.Tech studies



Certificate of Merit in Computer Science

Achieved Certificate of Merit in Computer Science, ranking among the top 0.1% of students in CBSE with a score of 99%



CBSE Board Merit Scholarship

Awarded the CBSE Board Merit Scholarship for outstanding academic achievements in high school

Skills

Aerospike · Apache · AWS · AWS Lambda · Azure · C/C++ · CloudWatch · CosmosDB · Debian · Docker · Dropwizard · EC2 · ECommerce · ETL · ETL Pipelines · Firefox · Flask · Git · GitHub · Grafana · IntelliJ · Java · Java Spring · JavaScript · JIRA · JWT · Kafka · K-Means · Kotlin · Kubernetes · MongoDB · OAuth · Payment Gateways · Python · Redis · S3 · SVM · Shell Scripting · Node.js · Microservices

Projects

Garuda Workflow Orchestration

Garuda Workflow Orchestration, an advanced automation tool for organizational processes

- Enterprise automation platform achieving 99.9% reliability and significantly reducing manual overhead

Schemate Schema Service

Schemate Schema Service designed for schema evolution across services

- Data governance platform processing over 3 million requests per second with robust schema management