ROHIT PRASHAR

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Location: London United Kingdom

Professional Summary

Senior Software Developer with over 11 years of experience in designing and delivering scalable, cloud-native solutions using microservices architecture, distributed systems, and modern Java technologies. Adept at building resilient, secure, and maintainable systems in highly regulated environments, with a proven track record of optimizing performance and supporting products through their entire lifecycle.

Technical Skills

- **Programming Languages:** Java (8/11/17/21), Python, JavaScript, NodeJS, TypeScript
- **Frameworks:** Spring Boot, Spring MVC, Spring Security, REST API, Spring Web Flux, React, Spring JPA,
- **Databases:** PostgreSQL, MongoDB, Azure Cosmo DB, JDBC, Redis
- **Message Brokers:** Apache Kafka, JMS, ActiveMQ
- **Cloud Platforms:** Azure (AKS, Functions, Data Factory, DevOps), AWS (EKS, Lambda, Glue, Code Pipeline), GCP
- **Containerization and Orchestration:** Docker, Kubernetes
- **Build Tools:** Maven, Gradle
- **Testing Tools:** JUnit, Mockito, Jest, Spring Test Containers, Wire Mock, Rest Assured, Serenity
- **Monitoring Tools:** Prometheus, Grafana, Loki, Azure Monitor
- **Methodologies:** Agile, Scrum, TDD, BDD, CI/CD, Pair Programming
- **Tools:** JIRA, Confluence, IntelliJ, PyCharm, Azure DevOps
- **Other:** Concurrency, Gen AI - Lang Chain, NumPy, Pandas, Matplotlib, API Gateways

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Professional Experience

Senior Software Consultant

Ministry of Justice, London, United Kingdom
November 2020 - Present

- Led the adoption of Trunk-Based Development across microservices teams to improve deployment speed. Guided developers to commit smaller changes directly to the main branch, integrate frequently, and release features to production within a day.
- Contributed to end-to-end solutions by developing and optimizing cloud-native microservices on Azure, enhancing scalability and reliability in a highly regulated environment.
- Applied domain modelling techniques to automate judiciary data processing, reducing processing time by 90% and eliminating errors through efficient business process design.

- Structured software for easy understanding, testing, and evolution by migrating monolithic test suites to JUnit 5, implementing parallelization, and cutting execution time from 2-3 hours to 10 minutes.
- Designed resilient systems with no single points of failure by implementing isolated Redis cache instances for microservices, improving performance and fault tolerance.
- Developed secure code adhering to strict security best practices, ensuring compliance in a regulated judiciary environment.
- Ensured zero downtime releases by adopting trunk-based development and optimizing deployment pipelines, supporting seamless updates.
- Optimized data read/write operations using PostgreSQL and Redis, improving system efficiency for critical workloads.
- Monitored system performance and reliability using Prometheus and Grafana, ensuring operational ease and proactive issue resolution.
- Supported products through their entire lifecycle, including production support and incident management, resolving critical issues promptly.

Team Lead - Power Programmer

Infosys, India
April 2020 - October 2020

- Delivered a transport management web app with real-time data integration using RESTful APIs, boosting routing efficiency by 25%.
- Led a team of 5+ engineers in migrating a monolithic application to a microservices architecture with zero downtime, enhancing system scalability and maintainability.
- Continuously updated technologies by integrating Java 17 and cloud-native patterns, improving system performance.

Senior Software Engineer

Manhattan Associates, India
January 2016 - March 2020

- Designed and implemented scalable, resilient microservices for the LMS, avoiding single points of failure and ensuring high availability.
- Migrated a monolithic LMS application to a cloud-native microservices architecture on AWS, achieving zero downtime and improving system evolution.
- Optimized test suites for maintainability and performance, reducing testing time and enhancing software quality.
- Documented architectures and mentored team members, fostering clear communication and knowledge sharing.

Programmer Analyst

Cognizant Technology Solutions, India
January 2014 - December 2015

- Developed the Integrated Planning and Execution program for Lowe's, leveraging domain modelling to streamline business-critical processes like Store Clustering and Assortment Planning.
- Built RESTful APIs and optimized data access with PostgreSQL, ensuring efficient and reliable operations.

Projects

- **Azure Data Pipeline:** Designed a fault-tolerant ETL pipeline using Azure Data Factory and Databricks, integrating cloud-native services for scalability and performance.
- **Kafka Monitoring Dashboard:** Developed a real-time monitoring tool with Java, Kafka, Prometheus, and Grafana, ensuring system reliability and performance optimization.

Education

- **Bachelor of Technology in Computer Science & Engineering**
  Nagpur University, India | 2009 - 2013

Certifications

- Microsoft Certified: Azure Developer Associate
- Certified Data Engineer Associate
- Using Generative AI in Azure and Microsoft Power Platform

Courses

- Machine Learning Crash Course
- Deep Learning by Andrew Ng
- Practical Deep Learning for Coders

Achievements and Awards

- Secured 1st place in the Cognizant Certified Java Programming (CCJP) exam.
- Recognized as a Top Performer in the Cognizant Academy Training Program.
- Awarded Star Quarter Performer at Manhattan Associates.
- Received appreciation for improving release processes and delivery efficiency.