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Top Skills

Cloud-Native Architecture
Site Reliability Engineering (SRE)
Technology Roadmap & Strategy

Rahul Kolhe

Technology Lead | AVP | Driving Digital Banking Innovation, Cloud Transformation & Enterprise Resilience
Pune, Maharashtra, India

Summary

"Shaping the future of digital banking by building scalable, secure, and cloud-native platforms."

Technology Leader with 19+ years in banking and financial services, driving cloud transformation, microservices, and digital modernization. Proven track record in leading global engineering teams, shaping technology roadmaps, and delivering secure, scalable solutions.

Recognized for innovation, SRE adoption, and reusable frameworks that reduced costs, improved resilience, and accelerated product launches. Passionate about mentorship, digital banking innovation, and enterprise transformation, consistently acting as a trusted advisor to senior stakeholders.

Experience

Deutsche Bank
Assistant Vice President
June 2020 - Present (5 years 4 months)
Pune, Maharashtra, India

Architected and delivered cloud-native, event-driven microservices solutions with Spring Boot, RSocket, and API Gateway, enhancing system scalability and performance by 3X.
Designed and implemented micro-frontend applications (React) to improve UX and accelerate product delivery cycles.
Established UX standards and developed a reusable component library , ensuring consistent digital experience across enterprise platforms.
Pioneered innovative solutions, including an automated dependency update framework (Renovate Bot in CI/CD) and downstream workflow redesign, which reduced maintenance effort by 70% and eliminated $500K in licensing costs.

Developed standardized templates, reusable frameworks, and design patterns adopted by junior developers, reducing onboarding time and ensuring coding best practices.

Created a centralized component library and coding guidelines, improving code quality, reusability, and consistency.

Mentored junior developers, accelerating their technical growth .

Drove adoption of innovation-led accelerators and solution patterns, scaling productivity improvements.

Led automating CI/CD pipelines with GitHub Actions, Docker, and Kubernetes, reducing release cycles from 2 months to 2 weeks.

Migrated legacy ETL workflows (577 feeds), saving $500K annually in licensing costs.

Championed security-first architecture, implementing OAuth 2.0 and 2FA to achieve 100% regulatory compliance across banking applications.

Designed and implemented enterprise-grade SRE solutions, integrating monitoring alerting into applications.

Built end-to-end observability framework using Prometheus, Grafana, Micrometer, Zipkin, and Sleuth, enabling issue detection and reducing MTTR by 40%.

Developed SRE-driven SLIs/SLOs/SLAs, providing transparency into system reliability

Integrated SRE practices into DevOps pipelines, ensuring reliability testing and resilience engineering

Contributed multiple innovative frameworks and accelerators that were adopted as reusable assets

Cognizant Technology Solutions
Delivery Lead
December 2008 - June 2020 (11 years 7 months)
Pune, Maharashtra

Led large-scale modernization programs for core banking applications, transforming legacy platforms into cloud-ready, microservices-based solutions that enhanced scalability and reduced operational costs.

Drove end-to-end delivery governance—from requirements analysis to release management—ensuring adherence to Agile/SAFe processes, optimizing sprint planning, and improving delivery predictability.

Delivered enterprise-grade full-stack solutions for high-volume banking systems, including debit/credit card processing and loan origination workflows.

Led large-scale digital modernization programs, migrating legacy systems to cloud-native architectures leveraging Oracle Banking Platform, AWS, and microservices.

Managed and mentored 25+ cross-functional engineers, implementing performance reviews, training plans, and technical mentorship to upskill teams.

Collaborated with business stakeholders to define product roadmaps, align priorities, and ensure on-time delivery of mission-critical releases.

Lionbridge
Software Engineer
May 2004 - September 2008 (4 years 5 months)

Developed and maintained web-based applications for insurance and financial clients using Java/J2EE and Oracle

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Education

Amravati University
· (2003)