Rahul Dnyaneshwar Kolhe

Assistant Vice President | Technology Lead | Cloud & Digital Transformation
Technology Strategist | AVP – Driving Digital Banking Innovation, Cloud Transformation & Enterprise Resilience

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Professional Summary

Technology leader with over 19 years of experience in the banking and financial services industry, specializing in **Cloud Transformation** and **Enterprise Resilience**. As an Assistant Vice President, I have a proven track record of driving digital modernization, shaping technology roadmaps, and leading global engineering teams. I combine deep technical expertise with a strong ability to **mentor and develop others**, and to drive **continuous improvement** by optimizing workflows and promoting a **high-performance culture**.

My recent work includes architecting and building an **AI-powered portfolio assistant**, demonstrating expertise in agentic design, and large language model (**LLM**) integration. You can view my portfolio of AI and digital projects at: https://rahulkolhe.netlify.app

I combine deep technical expertise in **cloud-native systems, SRE, and DevOps** with a strong ability to **mentor teams, influence enterprise architecture standards, and align IT delivery with strategic business objectives**. Recognized as a **trusted advisor and thought leader**, I have consistently delivered programs that improved **customer trust, accelerated product innovation, and enabled digital adoption in banking ecosystems**.

Strategic Impact & Achievements

- **Shaped enterprise banking transformation** by modernizing legacy platforms into **cloud-native microservices architectures**, delivering **40% cost savings** and **enterprise-wide scalability**.
- **Accelerated product innovation** by building reusable templates, design patterns, and component libraries adopted by global teams, reducing **onboarding time for junior developers** and ensuring **enterprise coding standards**.
- **Advanced operational resilience** by architecting **end-to-end SRE solutions** with Prometheus, Grafana, and Zipkin, enabling **40% MTTR reduction** and **regulatory-grade observability**.
- **Championed innovation** by developing frameworks and accelerators that were **adopted across multiple programs**, driving standardization and increasing delivery velocity.
- **Delivered business impact** by leading cross-functional teams to launch **mission-critical banking applications** that improved customer experience, reduced processing risks, and enhanced compliance.
- **Trusted advisor to senior stakeholders**, shaping enterprise technology strategy, influencing global architecture councils, and driving organization-wide transformation
- Improved customer trust and digital adoption by delivering regulatory-grade secure architecture

- **Recognized thought leader**, awarded **Best Emerging Leader, Delivery Excellence, Idea Champion, and Associate of the Quarter** for contributions to innovation, delivery governance, and engineering excellence.

Innovation & Thought leadership

- **AI Portfolio Assistant:** Designed and built an intelligent agent powered by Google Gemini and FastAPI to serve as a personal portfolio assistant. This tool provides a conversational interface for recruiters to interact with my resume and professional background.
- **Agentic Framework Development:** Architected a tool-calling framework that enables the AI agent to perform specific tasks, such as analyzing a job description, comparing it to my skills, and providing a relevance score.
- **LLM Integration:** Leveraged the Gemini API to analyze unstructured data from resumes and job descriptions, extracting key skills and providing a personalized relevance analysis. This project demonstrates hands-on experience in building practical applications with state-of-the-art LLMs.
- **Cloud & DevOps:** Deployed the application on a cloud platform using modern DevOps practices, including containerization with Docker and API management, ensuring scalability and reliability.
- Published solution patterns and accelerators adopted across global teams.
- **Speaker/presenter** in internal technology councils and industry forums.
- Recognized for influencing **strategic digital transformation initiative**s.
- Contributed to enterprise-wide innovation forums, influencing future digital banking platforms
- Acted as a mentor for leadership programs, developing next-generation engineering

Core Competencies & Skills

Strategic & Leadership Skills

- Technology Leadership: Over 19 years of experience leading teams, shaping technology roadmaps, and driving enterprise-scale digital modernization.
- Strategic Impact: Proven track record of influencing enterprise architecture, aligning IT delivery with strategic business objectives, and acting as a trusted advisor to senior stakeholders.
- Innovation: Championed innovation by developing frameworks and accelerators adopted across multiple programs and publishing solution patterns.
- Enterprise Transformation: Modernized legacy banking platforms into cloud-native microservices, delivering 40% cost savings and enterprise-wide scalability.
- People Leadership: Led and mentored global engineering teams, driving performance management and skill development for junior developers.
- Business Alignment: Collaborated with business leaders to align technology roadmaps with digital transformation strategy.

Technical Expertise

- **AI Agentic :** python, openai sdk, agentic workflow, crewai, langchain, Microsoft Autogen, LLMs, Embeddings
- **Frontend/UI:** Micro-Frontend, React.js, Angular, HTML5, CSS3, Bootstrap.
- **Backend & APIs:** Java, J2EE, Spring Boot, REST/SOAP, Reactive Microservices, JPA, Hibernate, Node.js.
- **Cloud & DevOps:** AWS (Lambda, API Gateway, Cognito, SNS, SES, SQS, IAM), GCP, OpenShift, Kubernetes, Docker, Jenkins, GitHub Actions.
- **SRE & Observability:** Prometheus, Grafana, Micrometer, Zipkin, Sleuth, Alerting Frameworks, Reliability Testing.
- **Architecture:** Microservices patterns, DDD, Event-Driven Architecture, Clean Architecture, TDD.
- **Databases:** Oracle, PostgreSQL, DynamoDB, DB2, MySQL, MongoDB.
- **Testing:** JUnit, TestNG, Cucumber, Apache JMeter, Gatling.
- **Legacy Systems:** IBM Mainframe, COBOL, JCL, VSAM.

Operational & Management Skills

- **Program & Project Management:** Directed and led digital transformation programs and managed the delivery of mission-critical banking applications.
- **Cost Management:** Modernized platforms to achieve 40% cost savings and reduced maintenance effort by 70%, eliminating licensing costs.
- **Compliance & Risk:** Championed security-first architecture to achieve 100% regulatory compliance and improved customer trust.
- **Agile Expertise:** Facilitated SAFe Agile adoption, improving release predictability and stakeholder satisfaction.
- **Process Improvement:** Implemented reusable templates, design patterns, and component libraries to improve development processes and productivity.

Experience

- DBOI Global Services Private Limited — (2020 – **Present**)
  Assistant Vice President / Senior Engineer
- Cognizant Technology Solutions - (2008 – 2020)
  Delivery Lead
- Lionbridge Technology - (2004 – 2008)
  Software Engineer

Leadership & Business Acumen

- Directed and led digital transformation programs, demonstrating **strategic thinking** and strong **business acumen** to align technology with business goals.
- Managed and mitigated project risks by overseeing **timeline management**, **task prioritization**, and **resource allocation**, ensuring successful delivery within scope and budget.

- Cultivated a **high-performance culture** by providing **actionable feedback** and mentoring team members on a consistent basis.
- Collaborated effectively with cross-functional teams, acting as a **trusted advisor** to senior stakeholders to guide **change management** and ensure alignment across the enterprise.
- Led efforts in **DevOps transformation**, implementing automation tools to streamline workflows and reduce release cycles from months to weeks.
- Contributed to **policy management** and governance frameworks, demonstrating **accountability** and a commitment to strengthening controls.

➔ **DBOI Global Services Pvt. Ltd. (2020 – Present) -**
  - ◆ Architected and delivered cloud-native microservices, driving **business requirements translation** into technical solutions. My focus was on **continuous improvement** and enhancing system performance by 3X, while **fostering a collaborative and high-performance culture** within the team.
  - ◆ **Designed and implemented** micro-frontend applications (React, Webpack Module Federation) to improve UX and **accelerate product delivery cycles**.
  - ◆ **Established UX standards** and developed a reusable component library (>100 UI components), **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.
  - ◆ Led the end-to-end **product development** lifecycle for mission-critical banking applications, from conceptualization to launch, resulting in faster time-to-market for new financial products.
  - ◆ **Developed standardized templates, reusable frameworks, and design patterns** adopted by junior developers, reducing onboarding time and ensuring coding best practices across teams.
  - ◆ Created a **centralized component library and coding guidelines**, improving code quality, reusability, and consistency across multiple banking applications.
  - ◆ Spearheaded the implementation of a **comprehensive test automation framework BDD and TDD**, establishing robust testing practices that reduced **regression cycles by 30%** and enabled more frequent, confident deployments.
  - ◆ Drove **engineering process enhancements** and **continuous improvement** by implementing reusable templates and design patterns, which reduced **maintenance effort by 70%** and cut onboarding time for new developers.
  - ◆ **Mentored and coached junior developers**, accelerating their technical growth and enabling faster delivery of high-quality solutions.

◆ Drove adoption of **innovation-led accelerators and solution patterns**, scaling productivity improvements across multiple projects.

◆ **Led enterprise DevOps transformation**, 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) into microservices-based architecture, saving **$500K annually in licensing costs**.

◆ Leveraged **strategic thinking** and **business acumen** to lead a digital transformation program that modernized legacy platforms into cloud-native microservices, **resulting in 40% cost savings** and enterprise-wide scalability.

◆ **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, and observability into mission-critical banking applications.

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

◆ Developed **SRE-driven SLIs/SLOs/SLAs**, providing transparency into system reliability and improving stakeholder confidence in production stability.

◆ Automated incident management workflows with **alerting dashboards and self-healing mechanisms**, significantly reducing downtime.

◆ **Integrated SRE practices into DevOps pipelines**, ensuring reliability testing and resilience engineering became part of release cycles.

◆ **Contributed multiple innovative frameworks and accelerators** that were adopted as reusable assets across teams, driving organization-wide efficiency and standardization.

◆ **Collaborated with business leaders** to align technology roadmaps with digital transformation strategy, enabling faster go-to-market for financial products.

◆ Drove **productivity optimization** by implementing standardized templates and automating CI/CD pipelines, which reduced maintenance effort by 70% and accelerated delivery cycles.

◆ Fostered a high-performing culture through strategic **employee engagement** initiatives, providing **inspirational leadership** that re-energized the team and improved project delivery velocity.

◆ Provided **strategic advice** to senior leadership and drove **enterprise alignment** by aligning technical roadmaps with the corporate digital transformation strategy, enabling faster go-to-market for new products.

◆ Championed **employee development** through formal **training** and one-on-one **coaching**, accelerating the technical growth of junior engineers and building future technology leaders.

◆ Provided **long-term project leadership** for a multi-year digital transformation initiative, successfully delivering a cloud-native platform that achieved 40% cost savings and improved scalability.

◆ Conducted extensive **research** and in-depth analysis to solve complex problems, integrating findings into our development process to deliver innovative solutions.

◆ Averted project delays by implementing proactive **escalation management**, leading cross-functional teams to resolve technical conflicts and ensure on-time delivery.

◆ Acted as a **subject matter expert** to drive critical **decision-making** on architectural challenges, delivering innovative solutions that improved system scalability and performance by 3X.

◆ Used **negotiation skills** and proactive **relationship-building** to forge trusting partnerships with internal and external stakeholders, ensuring the successful launch of a mission-critical application.

➔ **Cognizant Technology -**
   ◆ Directed complex digital transformation programs for global banks, demonstrating strong **strategic thinking** and **business acumen** by migrating legacy platforms to cloud-native architectures. I provided **actionable feedback** to a team of over 25 engineers, **counseling employees** on performance and professional development to ensure project success..

   ◆ **Delivered mission-critical solutions** for debit/credit card processing, loan origination, and collections & recovery, improving **transaction efficiency and reducing processing costs**.

   ◆ **Led and mentored** teams of 25+ engineers, driving performance management, skill development, and **building future technology leaders**.

   ◆ **Defined and implemented** enterprise architecture standards, leveraging **microservices, REST APIs, and integration with OBP core banking modules**, improving **product launch timelines**.

   ◆ Designed and executed **complex SQL queries** to manage data migration, while developing and maintaining robust SOAP APIs to ensure seamless data exchange for a legacy system migration.

   ◆ **Drove innovation** by conceptualizing and piloting multiple solution accelerators that reduced development effort and enabled faster onboarding of projects.

   ◆ **Partnered with stakeholders** (business & technology) to define product roadmaps, ensuring **alignment with strategic business goals**.

   ◆ **Facilitated SAFe Agile adoption**, improving **release predictability, stakeholder satisfaction, and delivery velocity**.

   ◆ **Introduced solution accelerators, code templates, and reference architectures** that streamlined development for large-scale banking programs.

   ◆ Enabled **junior and mid-level developers** to deliver production-grade features faster by providing **ready-to-use design patterns and reusable modules**.

   ◆ Conducted **technical training sessions and code reviews**, institutionalizing engineering excellence across teams.

➔ **Lionbridge Technology -**
- **Developed and maintained** web applications for insurance and financial clients using Java/J2EE, delivering **secure and high-performance solutions**.
- **Built secure data integration workflows**, improving **data accuracy and reducing risk in financial systems**.
- **Contributed to QA automation**, cutting regression cycle times by **30%**.

Certifications -
- DB Cloud Engineer
- DB Cloud Data Engineer
- Certified Scrum Master (CSM)
- SAFe Agile Certified
- Udemy certifications: Microfrontend, Rsocket, Redis masterclass

Education -
Bachelor of Engineering (B.E.) – 2003, Badnera College of Engineering, Amravati

Recognition & Awards -
Consistently recognized for **leadership, innovation, and delivery excellence**, including:

- ★ **Best Emerging Leader** – for driving team performance and leadership growth.
- ★ **Delivery Excellence Award** – for ensuring on-time, high-quality delivery of complex programs.
- ★ **Idea Champion Award** – for pioneering innovative accelerators and reusable frameworks.
- ★ **Associate of the Quarter** – for exceptional contribution to business-critical projects.