Rahul Kumar

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SUMMARY

Azure AI certified architect with 14+ years of experience in designing innovative multi-cloud solutions. Delivered measurable outcomes, including a 40% reduction in operational costs and achieving 99.99% uptime for global infrastructures. Designed payment gateways aligned with strict regulatory standards such as PCI DSS and HIPAA, ensuring secure open banking environments. Expertise in cloud migration strategies, enabling cost-efficient, scalable, and secure transitions from on-premises systems. Expertise in implementing advanced security measures, achieving a 99.9% success rate in resolving vulnerabilities across networks, applications, and cloud platforms. Developed RAG AI agents for BI dashboards, meeting 100% of KPI targets and delivering real-time insights. Skilled in microservices architecture, data governance, and CI/CD pipeline implementation. **Immediately available for both FTE & FTC engagements, call me to discuss technology direction, objectives and challenges.**

EXPERIENCE

Solution Architect Manager
ISpatial Tec   **April 2024 - December 2024, Abu Dhabi, United Arab Emirates**

- Managed a team of 5 engineers, designing and supporting API migration and architecture to Azure Cloud.
- Designed a migration roadmap for the DMP portal from on-premises/G42 to Azure, covering landing zone setup, workload dependencies, and migration paths.
- Improved application performance by 200% through optimization and cloud solutions, enhancing scalability and flexibility with microservices architecture.
- Reduced costs by 30% and ensured secure data migration on the DMP portal by implementing data loss prevention solutions.
- Established CI/CD pipelines to optimize deployment processes, delivering clear documentation and tools to ensure smooth application maintenance.
- Ensured data quality, profiling, governance, security, metadata management, and archival for government entities through the DMP portal.
- Acted as the primary liaison between the organization and Azure partners, collaborating with stakeholders to translate business requirements into technical solutions.
- Developed API strategies to ensure smooth integration between systems and enabled interoperability across Azure, G42, and on-premises platforms.
- Analyzed complex application landscapes, anticipated potential issues and trends, and assessed solutions, impacts, and risks.
- Led technical scope discussions with partners, driving common agreements on product functional and non-functional specifications and product architecture.

Engineering Manager - Architect
Optum Global   **January 2019 - January 2024, Noida, India**

- Managed a team of 12 engineers, creating CI/CD pipelines, clear documentation, and deployment tools for smooth implementation.
- Migrated legacy applications to microservices, reducing deployment times by 50%, improving scalability by 200%, and enabling Optum to improve performance.
- Refactored legacy code to reduce technical debt, applied modern best practices, and stabilized applications for improved scalability and resilience.
- Implemented data loss prevention and used SIEM/SOAR tools for threat management in hybrid cloud and on-premise environments.
- Migrated workloads and data across multi-cloud environments while ensuring compliance with HIPAA and PCI-DSS regulatory standards.
- Utilized Azure Sentinel and Defender-for-Cloud to manage hybrid cloud environments and achieve a 99.9% success rate in diagnosing software failures.
- Ensured security implementations across multiple CI/CD pipelines to mitigate risks during frequent production deployments.
- Served as the single point of contact for product functional and non-functional specifications and product architecture.

- Decomposed business programs into actionable activities, including business process modeling, simulation, and validation to align business objectives.
- Diagnosed software failures and addressed security vulnerabilities with Azure Defender-for-Cloud and CASB tools.
- Improved provider onboarding capabilities and enhanced application performance, driving scalability and enabling quick feature delivery.

Technology Lead
NIIT Technologies   **July 2015 - January 2019, Noida, India**

- Created designs from requirements, developed project plans, executed, and deployed solutions while finalizing the technology stack for the project.
- Prepared design documents, including HLD, LLD, Sequence Diagrams, Interaction Diagrams, Use Case Diagrams, ER Diagrams, and Deployment Diagrams.
- Implemented asynchronous communication and a loosely coupled system architecture using Kafka to optimize system performance.
- Applied the SOLID design principles to ensure better code quality and maintainability across the system.
- Employed the Service Locator pattern to locate services deployed on different tiers and used Spring and JSON configurations for JSON responses.
- Declared controllers, services, managers, and DAOs as Spring beans, injecting services into controllers, managers into services, and DAOs into managers.

Senior Software Engineer
Global Logic   **May 2013 - July 2015, Noida, India**

- Researched and suggested new technologies to improve overall product functionality and align with technology trends.
- Designed high-volume, low-latency Java-based applications, incorporating asynchronous communication and loosely coupled systems using Kafka.
- Participated in the full software development lifecycle to ensure application functionality aligned with business goals.
- Developed and tested software by writing well-designed, efficient, and testable code.
- Debugged technical issues to ensure smooth performance and reliability of applications.

Senior Software Engineer
Fiserv   **August 2010 - May 2013, Noida, India**

- Designed code structures to meet customer requirements in financial services.
- Delivered software deployment solutions aligned with customer-focused selling strategies.
- Leveraged Java Virtual Machine expertise to optimize software functionality and performance.

Senior Software Engineer
TYogi Tech   **July 2007 - August 2010, Noida, India**

- Oversaw code design for software projects aligned with Java Virtual Machine requirements.
- Facilitated customer-focused selling strategies to address client-specific needs.

Software Engineer
Roamware   **July 2006 - July 2007, Noida, India**

- Designed scalable software solutions, ensuring smooth functionality and optimized performance.

EDUCATION

Master of Computer Applications (MCA)
U.P Technical University

Bachelor of Arts (BA)
Dr. BhimRao University

CERTIFICATIONS

Microsoft Azure Artificial Intelligence

Java SE 6

SKILLS

Azure AI | NLP | LLM | RAG | Java | Python | Spring | JPA | Microservices | KAFKA | RDBMS | Cassandra | Elastic-Search | MongoDB | Cache | Hadoop | HBase | Spark | Atlas | Flink | Azure | AWS | G42 | SEPA | ACH | SWIFT | PCI-DSS | Enterprise Architecture Design Patterns | Azure Terraform | Bicep | AKS | Jenkins | Docker | Kubernetes | OpenShift | Github Copilot | Claude | Snyk | Otter.ai | Kibana | Grafana | Jaeger | Prometheus | Scrum | Agile | Jira | Azure Sentinel | Azure Defender | Azure Synapse | Payment Gateway Design | PSIDSS Compliance | HIPAA Compliance | Secure Network Design | Cloud Migration | Data Quality Management | Data Profiling | Data Governance | Metadata Management | API Strategy Development | SIEM | SOAR | Threat Management | Microservices Architecture | Product Architecture | Multi-Cloud Migration | Cloud Security | Cost Optimization | Scalability Enhancements | Real-Time BI Dashboards | CI/CD Pipelines | Software Development Lifecycle Management