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| ASHISH KUMAR TRIPATHI  IIT VARANASI | IIM ROHTAK | CONSULTING | TECHNICAL ARCHITECTURE | SRE | | | | | | | | | | |
|  |  | +91 77603 37744 |  | | | ashish21meta@gmail.com |  |  | |
|  | An enterprising professional and leader offering **over 19 years** of multi-faceted expertise in steering functions related to **Solution Architecture** and **Site Reliability Engineering;** targeting to express potential and deliver results through **strategic leadership assignments** in a **consulting or technical capacity** with an organization of repute. | | | | | | | |  |
|  | **Core Competencies**  **Technical Skills**   |  | | --- | | **Cloud Services:**  AWS, Google Cloud Platform (GCP) | |  | | **Containerization & Orchestration:**  Kubernetes, Docker | |  | | **Observability:** Grafana, Prometheus, Open telemetry, Nagios, Jaeger, Splunk ITSI | |  | | **Programming & Scripting Language:** Python | |  | | **Automation & Configuration Management:** Ansible, Terraform | |  | | **Virtualization:** VMWare, VRealize Operations (VRO), VRealize Automation (VRA) | |  | | **Reporting & Analytics:** AIOps | |  | | **Networking:** NSX-v (Basic) | |  | | **Devops Tools:** Cloud Build, Jenkins, Github, Cloud Code, Artifact Registery, GKE, Cloud Run | |  |   **Certifications**  **2023**   * Hashi Corp Certified -Terraform Associate * AWS Certified Architect Professional * Recertified Google Certified Professional Cloud Architect * DevOps Institute SRE Practitioner Certification   **2021**   * AWS Certified Architect Associate   **Education**   |  |  | | --- | --- | |  | 2014  **Executive Certification in General Management**  Mcintire School of Commerce | |  | 2021  **Executive Certification Program in Data Science**  IIM Rohtak | |  | 2006  **B.Tech. (Metallurgy)**  IIT Varanasi |   **Personal Details**  **Date of Birth:** 15-09-1982  **Languages Known:** English Hindi  **Address:** Nyati Environ tingere Nagar Pune Maharastra | | |  | **Profile Summary**   * Wealth of experience in the realms of **Site Reliability Engineering, Solution Architecture**, and **Technical Consulting**, with a strong emphasis on delivering high-quality consulting services across various industries, including **Banking** and **Telecom.** * Directing efforts as a **Senior Consulting Manager** at **NTT Data**, orchestrating the achievement of consulting objectives while modifying strategies to align with changing business requirements and delivering expert insights on technical implementations. * Acquired a diverse array of skills across multiple positions, focusing on **technical architecture, risk management,** and **client relations,** while continually advancing expertise in **automation technologies, cloud platforms,** and **observability solutions.** * Proven excellence in providing **strategic consulting** to clients on **cloud infrastructure, architecture design,** and **SRE best practices**, helping them streamline operations, reduce costs, improve system reliability by implementing tailored solutions across environments. * Expertise in **cloud architecture** and **service integration**, facilitating deployment of **resilient solutions** that enhance performance and scalability within intricate environments. * Demonstrates a robust blend of **technical expertise** and **strategic insight**, with proficiency in **cloud architecture, automation,** and **observability tools**, enabling design and execution of innovative solutions that drive operational excellence and enhance system reliability. * **People-oriented leader** with skills in building and leading high-performing teams towards the accomplishment of common goals.   **C:\Users\shruti.chhabra\OneDrive - Info Edge (India) Ltd\Logos\Satyam Computers.png Career Timeline**  C:\Users\shruti.chhabra\OneDrive - Info Edge (India) Ltd\Logos\IBM.pngC:\Users\shruti.chhabra\OneDrive - Info Edge (India) Ltd\Logos\TCS TATA Consultancy Services.png  **C:\Users\shruti.chhabra\OneDrive - Info Edge (India) Ltd\Logos\NTT Data.pngC:\Users\shruti.chhabra\OneDrive - Info Edge (India) Ltd\Logos\kyndryl logo.pngC:\Users\shruti.chhabra\OneDrive - Info Edge (India) Ltd\Logos\Mphasis.png**    Senior Consulting Manager  Senior Lead – SRE  Senior Lead SRE  IT Analyst  Lead Engineer  System Engineer  **2024-Now**  **2021-24**  **2012-21**  **2010-12**  **2009-10**  **2007-09**  **Work Experience**  **NTT Data (HSBC), Location** | Jun’2024 Onwards | **Tech Architect (Senior Consulting Manager)**   * Spearheaded end-to-end observability POCs using OpenTelemetry for both microservice and monolithic applications, driving the adoption of modern monitoring strategies. * Enhanced the monitoring framework across all three observability pillars (metrics, traces, and logs) to provide comprehensive visibility into application performance. * Revamped solution architecture for Prometheus-based monitoring in IKP applications, optimizing data collection and analysis for better performance insights. * Configured OpenTelemetry (OTEL) for Java-based application instrumentation, including deployment strategies for seamless integration across IKP and GKE environments. * Worked with the CTO team on designing and implementing glass tables and data ingestion strategies for 4 applications, utilizing Splunk ITSI to provide observability and visualization. * Deployed and configured Jaeger for application trace capture and Prometheus for infrastructure/ application metrics collection, enhancing observability stack for monitoring.   **Kyndryl, Bengaluru** | Sept’2021 – Jun’2024 | **Senior Lead – SRE**   * Led design thinking sessions with Platform/ Application SREs to identify gaps, prioritize tasks, and work with cross-functional teams to drive improvements in system architecture. * Oversaw Technical Design Authority, driving architecture reviews and governance activities for alignment with Group IT strategy, architecture standards, policies, and best practices. * Managed Architecture Debt and the Enterprise Architecture backlog, reviewing exceptions and strong follow-up by IT management to maintain consistency in architecture standards. * Directed incident response and blameless postmortems through reviews of RCA process. * Led IaC initiatives, utilizing Terraform and Ansible to automate resource provisioning, including S3, App Engine, Cloud Spanner, EC2, CloudFront for GCP and AWS infrastructures. * Spearheaded the migration of on-premise and IBM Cloud applications to GCP, managing the planning, execution, and seamless transition of cloud infrastructure. * Developed and maintained Ansible playbooks to automate software deployment, configuration, and management, optimizing infrastructure processes. * Worked with architects on POCs, modeling future-state cloud estates, driving maturity assessments, securing client approval for implementation, tracking SRE practice progress. * Established baselines, set SLOs and SLIs, and implemented monitoring and alerting systems for service reliability, planned disaster recovery strategies to ensure business continuity.   ***Highlights:***   * Designed and deployed a secure, scalable, multi-region GCP-based application, enhancing system reliability by 99.99% and supporting a 100% increase in global user traffic. * Collaborated with cross-functional teams to integrate advanced machine learning models into the cloud platform, improving predictive analytics accuracy by 35%. * Revamped data security on GCP, enforcing IAM best practices and utilizing Cloud Security Command Center, achieving zero security breaches over a 2-year period. * Optimized Kubernetes pod and service configurations, reducing response times by 20%. * Reduced infrastructure costs by 30% through efficient Kubernetes resource usage and container orchestration improvements. * Implemented Kubernetes clusters, driving 50% reduction in application deployment times. * Managed Kubernetes deployments that scaled to handle 10,000+ transactions per minute. * Improved deployment success rates by 40% by adopting automated rolling updates and rollback strategies within the Kubernetes environment. * Conducted routine capacity planning and performance tuning of the Kubernetes environment, enhancing system throughput by 30% and reducing latency.   **IBM India Pvt. Ltd., Bengaluru** | Jan’2012 – Sept’2021 | **Last:** Senior Lead SRE  As **Senior Lead SRE**   * Led delivery of complex projects and multi-component initiatives involving products and services from multiple companies, ensuring seamless integration and successful outcomes. * Automated AWS infrastructure using Terraform for ELB, CloudFront, RDS, EC2, VPC, and S3, and migrated legacy systems to AWS Lambda via Terraform and AWS CloudFormation. * Engaged with internal and external clients to gather requirements, align project goals with business needs, and ensure stakeholder satisfaction throughout the lifecycle. * Managed program delivery processes, tracking progress across Development, Testing, Business, Support Teams while maintaining adherence to defined standards and timelines. * Identified project risks proactively and developed go-live strategies and post-production monitoring plans to ensure successful implementation and operational stability. * Facilitated daily governance and status calls with clients and delivery teams, fostering transparent communication and driving measurable business benefits. * Supported organizational growth by contributing to Core Practice and Cloud Competency development, as well as leading COE initiatives to enhance cloud capabilities. * Worked with Partner Managers, vendors, and professional services teams during POC engagements, validating architectures, deliverables, project plans for customer success. * Advised on cloud strategies by evaluating IaaS, PaaS, SaaS, BPaaS services, recommending tailored solutions, defining migration roadmaps with a focus on wins and long-term goals. * Delivered assessments of current-state architectures, providing suggestions for future-state designs that entail consolidation, disaster recovery, cloud computing best practices. * Guided on IT fundamentals, including ROI, TCO, CBA, regulatory compliance, operational excellence, maintaining updated knowledge of industry trends and emerging technologies.   As **Technical Service Manager / Team Leader**   * Directed cross-functional teams specializing in RPA, Dynamic Automation, VMware, Citrix, storage, cloud operations, and backup engineering across EMEA, MEA, and NA regions. * Facilitated review meetings to track project progress, ensure alignment with schedules and budgets, and ensure on-time delivery alongside robust application support. * Developed proposals, including RFPs, RFIs, SOWs, resource allocation plans, architecture assessments, and risk management strategies, providing guidance and training as needed. * Consistently achieved deadlines and TAT targets while maintaining exceptional quality standards and ensuring strict adherence to SLAs.   **Previous Experience**  **TCS, Gandhinagar** | Apr’10 – Jan’12 | **IT Analyst**   * Tasked with the implementation of Oracle and storage-based data center solutions at client sites, ensuring optimal performance and high availability.   **Mphasis, Pune** | Mar’09 – Apr’10 | **Lead Engineer**  **Satyam Computers, Mumbai** | Jul’06 – Feb’09 | **System Engineer** | | | |  |