

Sachin Shukla

Technical Architect | Cloud-Native & Distributed Systems | AWS, Kubernetes, Terraform & Kafka Expertise

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<https://www.youtube.com/@sachinshukla6047> Singapore



SUMMARY

Experienced IT architect with 19 years in cloud solutions, software design, and team leadership. Skilled across **AWS**, GCP, and Azure cloud with expertise in cloud-native tech, security, and distributed systems. Certified in cloud, DevOps, and security, with hands-on experience in Kubernetes, **Kafka**, Java, Golang, and Python. Strong in mentoring, stakeholder engagement, and driving business-focused tech solutions

CERTIFICATION

AWS Solutions Architect - Professional

CKAD (Kubernetes)

CKA (Kubernetes)

Terraform

Vault

Kafka Certification

EXPERIENCE

Technical Architect / Cloud Specialist

Singapore

BNP Paribas

08/2021 - 01/2025

- Implemented event-driven architecture by introducing Apache Kafka over existing methods like end-of-day updates and synchronous APIs to improve the system efficiency in the Wealth Management division. The real-time communication improved the business value at least by 35%
- Partnered with division leadership and architects to assess use cases, identify optimization opportunities, and implement Kafka-driven solutions for enhanced reliability, scalability, and message guarantees
- Used Vault for Kafka cluster security, SSL for encryption in transit, Grafana/Prometheus and later replaced with services called Lenses for monitoring and troubleshooting the messages in Kafka topic and overall cluster
- Spearheaded multiple proof-of-concepts (POCs) to validate Kafka and Kafka Connect integration, developing a client library that streamlined adoption across the development team

Technical Architect

Singapore

Deskera

06/2019 - 07/2021

- Re-architected the ERP system from monolith to microservices to improve scalability, speed up deployments, and make better use of AWS services
- Ensured adherence to clean code principles throughout the development process to enhance code readability and facilitate efficient, error-free future modifications. Implemented CI/CD pipelines to streamline continuous integration and delivery, accelerating feature deployment and improving overall development agility
- Strategically leveraged AWS services (S3, EC2, Cognito, CloudFront, RDS, GuardDuty, Kubernetes, Kafka) to enhance scalability (Using ELB for load balancing), reliability, cloud security and real-time processing. Used Terraform as IAC to deploy various services
- Collaborated with sales, product teams, and key stakeholders to translate business requirements into functional and technical roadmaps for seamless execution
- Recruited, trained, and mentored 20+ developers, from fresh graduates to senior professionals, providing guidance to ensure effective project execution in Agile manner and skill development

Solutions Architect

Bangalore

Tricon Infotech Pvt. Ltd

03/2011 - 04/2018

- Architected and delivered custom solutions for clients like McGraw Hill and Taylor & Francis using Java and Spring frameworks, ensuring tailored and efficient delivery.
- Developed scalable data integration pipelines utilizing Kafka, REST endpoints, and Mule ESB to enable seamless data exchange and enhance system performance.
- Led the adoption of Mule ESB PaaS solutions, automating enterprise integration processes to improve operational efficiency and reduce manual overhead.
- Contributed to business growth by working closely with clients, securing new business, and driving India team expansion through travel and relationship building.
- **Managed multiple projects and teams simultaneously**, ensuring timely delivery while maintaining high quality.
- Oversaw recruitment, training, and deployment of development teams to meet evolving project demands, ensuring the right talent was in place for success.

EXPERIENCE

Analyst Developer

Goldman Sachs

Bangalore, India

10/2009 - 03/2011

- Collaborative developer responsible for Java development, optimizing performance through multithreading, fixing bugs, reviewing pull requests, and conducting POCs.
- Optimized **multi-threaded Java applications**, enhancing application speed by **40%** through **SQL tuning & code refactoring**.

Assistant System Engineer

Tata Consultancy Services

Bangalore, India

07/2005 - 09/2009

- Supported and Improved application processing speed by 20% by designing and developed using Multi-Threading Java applications for financial clients and thereafter documented.
- Improved team performance by 15% through strategic collaboration and hands-on technical contributions and using Design Patterns and Data Modeling.

EDUCATION

Master of Technology

Indian Institute of Technology

Kanpur

07/2003 - 06/2005

Bachelor of Technology

Indian Institute of Technology

Kanpur

07/1999 - 06/2003

STRENGTHS

Strong commitment for work

- Have lead the multiple teams and projects under time constraints and pressure.

Passionate towards Technology

I am deeply passionate about technology, with expertise and certifications in **architectural design, coding, DevOps, and Cloud Computing**. I thrive on understanding **system functionality and intricacies**, constantly exploring innovative solutions to drive efficiency and scalability.

Focused on learning and Team growth (Technical Leadership)

Majority of my career I have hired, trained, mentored and executed the various simultaneous mission critical projects and given solid results to CEOs

KEY ACHIEVEMENTS

Kafka Solutions Implementation

Enhanced **data processing by 30%** through Kafka-based event-driven solutions.

CRM Platform Leadership

Led ERP/CRM system revamp, increasing **system performance & security**.

Coached hundreds of students and professionals on technologies - both offline and online

<https://www.youtube.com/@sachinshukla6047>

The best compliments from CEO of the organization

Got one of the best professional complements from CEO of Tricon where I worked for 7 years about being the **top 5 performer in the last 20 years**. The same could be seen in my LinkedIn recommendations.
<https://www.linkedin.com/in/sks336/>

INDUSTRY EXPERTISE

Leadership and Management

Cloud Computing, AWS, Kubernetes, Kafka

Microservices & Distributed Systems

FIND ME ONLINE

Website (<https://techlearning.me>)

LinkedIn (sks336)

GitHub (skshukla)

YouTube (sachinshukla6047)