

# Saurabh Sharma

## APPLICATION ARCHITECT

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## PROFESSIONAL SUMMARY

I am an experienced Application Architect with 17 years in diverse domains such as Web3.0, IoT, and E-Commerce. My expertise lies in architecting scalable solutions, implementing DevOps, and utilizing cloud technologies for impactful results. I have successfully collaborated with Fortune 500 companies to deliver innovative and efficient applications. Creative and inventive, I endeavour to simplify complex systems through smart engineering practices.

## CORE COMPETENCIES

- Enterprise Architecture • Solution Design • Digital Transformation
- Cloud Architecture • Microservices Design • DevOps Strategy
- Technical Leadership • Stakeholder Management • Cost Optimization

## KEY PROFESSIONAL EXPERIENCES

### Independent Consultant (DevOps) | Theta Direct | Mar 2025 – Present

- Architected scalable DevOps infrastructure using Docker Swarm and Kubernetes, reducing deployment time by 65% and supporting 15,000+ users
- Developed GitHub Actions CI/CD pipelines that reduced deployment time by 70% for AI applications and agents
- Implemented ML operations infrastructure with MLFlow, Apache Airflow, and FireboltDB, automating 80% of deployments and improving training efficiency by 3x
- Established Keycloak identity management across containerized services, achieving 99.8% authentication success rate and zero security breaches
- Optimized ML infrastructure for training and analytics processing, reducing processing time by 45% and cutting costs by 25%

### Independent Consultant | Softgen Technologies Pvt. Ltd. | Jan 2025 – Feb 2025

- Served as technical mentor for development initiatives, guiding and accelerating delivery by 30%
- Provided strategic architecture guidance to an enterprise client, achieving 95% client satisfaction rate

### Senior Java Developer / Application Architect | Solve.Care (now Tuumio) | Apr 2021 – Sep 2024

- Designed and implemented modular, **cloud-native architecture** using microservices and RESTful APIs, delivering 8 core modules with 99.2% uptime performance
- Led enterprise application integration and API gateway configuration, increasing platform functionality by 40% and user engagement by 28%
- Implemented Infrastructure as Code (IaC) using Terraform and Helm, reducing manual errors by 85% and cutting deployment time by 50%

- Managed scalable deployments on AWS EKS and Docker Swarm, maintaining 99.9% service availability across 25+ microservices
- Defined deployment strategies, environment provisioning, and architecture governance policies, enabling zero-downtime deployments for 15 consecutive releases
- Collaborated with stakeholders to align architecture with business goals, ensuring compliance with security best practices and cloud cost optimization

#### **Technology Lead** | iGlobe Software Solutions Pvt. Ltd. | Jun 2016 – May 2019

- Created product architecture and data architecture, handling 2TB+ daily processing with 99.5% accuracy
- Led end-to-end product deployments and releases, managing 10 major releases 3 weeks ahead of schedule
- Researched and evaluated technologies for product enhancement, implementing 5 new technologies improving performance by 35%
- Managed development and PR teams for streamlined delivery, leading 12-member team with 98% on-time delivery rate
- Engaged with clients for post-implementation support, supporting 50+ implementations with 96% satisfaction score

#### **Team Lead** | Clarion Technologies Pvt. Ltd. | Jul 2013 – Nov 2016

- Managed 3-4 teams (18 developers) and developed key modules, with zero missed deadlines
- Managed product deployment and release processes, executing 20+ deployments with 100% success rate
- Researched technologies and designed tailored solutions, evaluating 15+ tools and reducing development time by 40%
- Coordinated development and PR teams across projects, overseeing 15-person team across 6 simultaneous projects
- Collaborated with clients for testing and maintenance support, supporting 75+ clients with 94% first-contact resolution

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## **EDUCATION**

### **Bachelor of Engineering in Software Engineering**

Allahabad Agricultural Institute - Deemed University

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## **TECHNICAL SKILLS**

- Programming Languages: Java, JavaScript, Node.js, Python
  - Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure
  - Architecture: Microservices, Event-Driven Architecture, RESTful APIs, Enterprise Architecture
  - DevOps & CI/CD: Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Helm
  - Databases: MongoDB, MySQL, PostgreSQL
  - Integration: Apache Kafka, Apache Airflow, API Gateway
  - Security: Keycloak, OAuth, Identity Management Monitoring: MLFlow, CloudWatch, Prometheus
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## **PROFESSIONAL DEVELOPMENT**

- AWS Certified Solutions Architect Associate (In Progress)
- Generative AI Masterminds - GrowthSchool
- Certification in Hardware and Networking

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## PORTFOLIO

- **Solve.Care Platform (now Tuumio.Platform), Care.Wallet (now Tuumio App)** | Apr 2021 – Sep 2024  
The Solve.Care platform utilizes blockchain technology as the foundational distributed ledger for orchestrating healthcare coordination, benefits, and payments among various healthcare stakeholders, including patients, physicians, pharmacies, labs, employers, insurers, and more.
- **ScreenPost** | Mar 2020 – Sep 2020  
Digital Signage app to display local media content and campaigns on the screens. App can work on Android Box and other Android Sticks. There has been a web app for managing local content of screens and a campaigning App for advertisers.
- **Su-Kam iManager Smart Inverter Configuration App** | Mar 2018 – Mar 2019  
App made was capable of connecting to the inverter via BLE dongle through GATT and modify inverter power settings.
- **iotaSmart Connected-Car Platform** | May 2016 – June 2019 | <https://iotasmart.com>  
I innovated a connected-car gateway for iotaSmart platform, serving as the central hub for data from OBD devices on diverse vehicles. Key client Haryana Roadways benefited. Achieved by crafting the gateway with the SinoCastel Protocol.
- **MyGAP, PBTV Audio, Mobile LensDoctor** | Jul 2013 – Nov 2015
  - **MyGap** is a Web app for travelers to get hotel booking details nearby.
  - **PBTV Audio** is a Desktop app for Publishing Media over PBTVAudio Box. A Node JS app running inside PBTVAudio Box that receives published media and configure the box accordingly.
  - **LensDoctor** is a Hybrid/Native app for creating Lens Prescription of Eye Specialists and for consumers to purchase lens using their prescriptions. An administration web app for managing Lenses and managing revenue generated by the sale.

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## KEY ACHIEVEMENTS

- **Disintegrated User Nodes** | Solve.Care | Apr 2021 – Sep 2024  
Disintegrated user nodes form a decentralised system with independent storage and compute. Using AWS EKS and EFS, nodes dynamically allocate resources, ensuring persistence, scalability, and fault isolation
- **IaC via Helm Charts** | Solve.Care | Apr 2021 – Sep 2024  
Enhanced stability and performance of Solve.Care old infrastructure ie. on Docker Swarm by introducing Helm charts for all the microservices in AWS EKS. Achieved 80% stability, notably deploying Ethereum Nodes seamlessly on Docker Swarm
- **Connected-Car Gateway** | iGlobe Software Solutions Pvt. Ltd. | Jun 2016 – May 2019  
In iGlobe, I innovated a connected-car gateway for iotaSmart platform, serving as the central hub for data from OBD devices on diverse vehicles. Key client HR Roadways benefited. Achieved by crafting the gateway with the SinoCastel Protocol
- **Team Lead in Clarion** | Clarion Technologies Pvt. Ltd. | Jul 2013 – Nov 2016  
As the leader, I assumed responsibility for guiding teams across diverse projects, marking my inaugural experience in team leadership. Successfully delivered multiple products while ensuring team motivation remained a priority throughout