



CONTACT

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CORE EXPERTISE

- Enterprise Architecture
- AI & Agentic Systems
- Cloud Infrastructure (AWS)
- Product Engineering
- Smart City / GovTech
- DevSecOps & Security
- SaaS Product Development
- Digital Transformation
- Team Leadership

TECHNICAL STACK

- Languages:**
Python, Java, JS/TS, Dart
- Backend:**
FastAPI, Django, NodeJS, Spring Boot
- Frontend:**
React, NextJS, Flutter
- OS:**
Android, Linux, Window, Mac OS
- AI/ML:**
OpenAI, Claude, Gemini, LangGraph, CrewAI, AutoGen, RAG
- Cloud:**
AWS, Azure, Docker, Kubernetes
- DB:**
PostgreSQL, MSSQL, Neo4j, Redis
- DevOps:**
Jenkins, GitHub Actions

LOKESH SINGH

Technical Head | AI & Agentic Systems Architect | Enterprise Solutions Leader

Driving Enterprise AI, Cloud & Smart-City Transformation at Scale

10+ YEARS EXPERIENCE	9+ PRODUCTS BUILT	40K+ VEHICLES DIGITIZED	5Cr+ REVENUE GENERATED
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EXECUTIVE SUMMARY

Visionary Technical Head and AI Architect with 10+ years driving enterprise product engineering, cloud-native systems, and digital transformation. Proven expertise in Agentic AI, Multi-Agent Systems, Smart City platforms, GovTech, and SaaS product development across government, healthcare, fintech, insurance, mobility, and workplace-management domains. Combines strategic leadership in enterprise architecture, DevSecOps, and team building to deliver secure, scalable, revenue-driving technology platforms globally.

PROFESSIONAL EXPERIENCE

MULTIPLEXER SOLUTION PVT LTD

Technical Head | AI, Cloud & Enterprise Solutions Architect

July 2022 – Present | Mumbai, India

- Strategy & Architecture:** Technology Vision, Product Engineering Leadership, Enterprise & Cloud Architecture
- Operations & Security:** Infrastructure Management, AI Transformation, Security Governance, DevOps/DevSecOps
- Delivery & Consulting:** Team Leadership, Delivery Management, Solution Architecture, Product Roadmap
- Domain Implementations:** Smart City Implementations, Government Projects, Enterprise Client Consulting

KEY ENTERPRISE ENGAGEMENTS

OliveEngine – AI Analytics Platform (Client: OliveLabs)

Architected AI-powered analytics engine with intelligent query interpretation, GraphQL architecture, knowledge graph integrations & multi-tenant SaaS.

Tech: FastAPI · Flutter · GraphQL · PostgreSQL · Neo4j · Docker · AWS

Blenheim Chalcot AI Initiatives (Koodoo, Accelerate People)

Led GenAI implementations, compliance automation, AI-driven workflows & revenue optimization for venture portfolio.

Tech: FastAPI · React · PostgreSQL · AWS · Azure · OpenAI

Marsh McLennan Enterprise Insurance Platform

Enterprise backend architecture, insurance platform development, CI/CD, release governance & QA leadership.

Tech: Java · Spring Boot · Docker · Azure · MSSQL

AFreeSpace Workplace Platform

Hybrid workplace platform with workspace booking, enterprise collaboration tools & workplace analytics.

Tech: Flutter · React · Spring Boot · PostgreSQL

AI & AGENTIC EXPERTISE

Agentic AI

Multi-Agent Systems

AI Copilots

RAG

LangGraph

CrewAI

AutoGen

LangChain

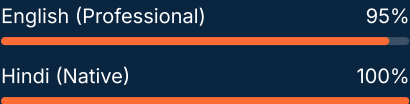
Vector DBs

Knowledge Graphs

Prompt Engineering

LLM Engineering

LANGUAGES



EDUCATION

Bachelor of Engineering
TCET (Thakur College of Engineering & Technology), Mumbai

HOBBIES

Cricket, Table Tennis, Chess, Carrom

Twin Health Digital Services Pvt Ltd
Full Stack Engineer

May 2021 – July 2022 | Healthcare Technology

Developed healthcare technology platforms with GraphQL-driven applications and scalable APIs. Built cross-platform Flutter & React applications delivering healthcare-focused digital solutions.

Tech: Flutter · React.js · Node.js · GraphQL · PostgreSQL · AWS

Eureka Mobile Ads Pvt Ltd
Senior Software Developer

February 2019 – May 2021 | Enterprise Mobility

Led Android, React Native & backend development initiatives. Managed multiple client projects and development teams; designed scalable APIs and enterprise mobile applications; contributed to architecture and technical decision-making across cross-platform and cloud deployments.

Tech: Android · Kotlin · Java · React Native · React.js · Python · Node.js · PostgreSQL · AWS

Multiplexer Labs Pvt Ltd
Software Developer — Core Founding Engineer, ParkAdda

May 2018 – February 2019 | Smart Mobility

Core founding engineering member of ParkAdda. Developed initial architecture, backend systems, parking transaction workflows & QR-based parking solutions. Built the foundation of ParkAdda which later evolved into India's large-scale smart parking & mobility management platform.

Tech: Django · React.js · Flutter · PostgreSQL · AWS

Accenture Solutions Pvt Ltd
Associate Software Engineer

January 2017 – May 2018 | Enterprise Consulting

Worked on enterprise-grade applications. Developed and maintained AEM-based solutions, participated in Agile delivery, supported QA & release management, and collaborated with global delivery teams.

Tech: Java · Spring Boot · AEM · JavaScript

Branding Professional Network
Android Developer

June 2016 – November 2016 | Mobile Development

Developed Android applications, integrated backend APIs, and managed complete application lifecycle.

Tech: Android · Java

FLAGSHIP PRODUCTS BUILT

ParkAdda

India's Smart Parking & Mobility Platform

QR/Rfid/fastag, ANPR, Event/Stadium Parking, Valet, TVMs, Enforcement, Analytics. Deployed: Srinagar Smart City, Jaipur IPL, Jammu, Daman.

ParkAdda Estate Pro

Society & Community Management

Visitor, Vehicle, Staff, Facility, Billing, Accounting, Vendor & Security Management.

Jaipur E-Rickshaw Digitalization

GovTech Platform for Jaipur Police

40,000+ vehicles digitized with QR Verification, Command Center & Enforcement.

HealthRiskZero

AI Healthcare Risk Assessment

Dynamic Questionnaire, Risk Scoring, Rule Engine, Automated Reports, Mobile Apps.

AutoFyi

AI Content & Video Automation

AI Content Generation, Automated Video Production, AI Media Workflows.

ANPR Platform

Vehicle Tracking & Enforcement

License Plate Detection, OCR, Tracking, Smart Parking Automation.

RFID & FASTag Platform

Automated ID & Payments

ICICI/HDFC/Paytm integrations, Access Control, Payment Automation.

TukTukWala

Mobility Booking Platform

E-Rickshaw Booking, Driver Management, Route Optimization, Dynamic Pricing.

UVSS Security Platform

Under Vehicle Scanning

Security Inspection, Smart Access Control, Vehicle Threat Detection.

CLOUD & SECURITY LEADERSHIP

AWS & Cloud Infrastructure

Services: EC2, RDS, S3, CloudFront, Route53, ACM, IAM, VPC, ELB, Auto Scaling, CloudWatch, SNS/SES, ECR/ECS, Docker.

Responsibilities: HA Design, DR Planning, Cost Optimization, Production Monitoring, Backup, Scalability, Incident & Release Management.

Security Engineering & DevSecOps

Secure Architecture, VAPT Coordination, CERT-In Compliance, OWASP Top 10, API/JWT/OAuth2 Security, Infrastructure Hardening, IAM Governance, Vulnerability Remediation. *Successfully coordinated VAPT exercises for enterprise & government platforms.*

KEY ACHIEVEMENTS

- ★ Built ParkAdda Smart Parking Platform powering multiple Indian Smart Cities
- ★ Led Jaipur E-Rickshaw Digitalization Project digitizing 40,000+ vehicles
- ★ Delivered AI/GenAI platforms for global enterprise clients & venture-backed startups
- ★ Architected cloud-native systems on AWS at production scale
- ★ Successfully delivered government digital transformation initiatives
- ★ Coordinated VAPT remediation & CERT-In security compliance programs
- ★ Published Magic9 Encryption Research Paper
- ★ First Prize Winner – TCET Engineering Project Competition