

Dr.MANISH KUMAR JAIN

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International Corporate Trainer | Technical Consultant | Data Scientist IOT Solution Architect | Block chain Architect

Expert In

- Internet of Things (IOT)
- Block chain
- Artificial Intelligence(AI)
- Big Data
- Industry 4.0
- Machine Learning
- Cloud Computing
- Hadoop
- Data Science
- Deep learning
- Hyperledger
- RPA
- DevOps
- AR/VR/MR
- ThingWorx

Country Visited for trainings and consulting

- Dubai
- Oman
- Tanzania
- Thailand
- UK
- Singapore
- South Africa
- Bhutan
- Indonesia
- Philippine
- Malaysia
- Australia
- Kenya
- Bahrain
- Saudi Arabia
- Kuwait
- Qatar
- Nepal
- China
- Bangladesh

Business Domain Expertise

- Financial services
- Aerospace
- Retail
- Logistics
- Energy
- Banking
- Telecom
- Healthcare
- Manufacturing
- Education
- Oil and Gas

Career Summary

- Having 18+ years of Industry Experience as an International Corporate Trainer and Technical consultant.
- Expert in Critical Infocomm Technology Resource Programme (CITREP+) under IMDA's TechSkills Accelerator (TeSA) initiative by Singapore government.
- Worked for Infosys Limited ,Bangalore (5 Years)
- Subject Matter expert and content developer for IBM ICE (Innovation Centre for Education)
- Subject Matter expert for Microsoft Education program.
- Subject Matter expert for Micro Focus International Educational Programs
- Technical Instructor for CDAC programs
- Completed MCA (Management) , MTech (Data Science)
- PhD from UK (Research area : Deep learning / Image Processing)

- Created own cryptocurrency and crypto wallet called “Samriddhi Mudra”
- Part of “Smart city” implementation project from Gov. of India (IOT Consultant).
- Part of “Technical Interview” panel team for 3 Major Indian MNC’s.
- Gained experience in conceptualizing & executing need based training modules for developing efficient workforce for optimum efficiency, drafting training need forms and designing training content as required
- Demonstrated excellence in designing training calendar, maintaining training database, executing re-screening process and identifying non-performers.

Professional Accomplishments

- Microsoft Specialist - Server Virtualization with Windows Server Hyper-V and System Center (74-409)
- Microsoft Certified Technology – MCTS ,MCITP,MCSA,MCP
- Cisco Technology - CCNA,CCNP
- Vmware - Certified Associate Data Center Virtualization
- Cloudera Certified Hadoop Developer and Admin
- Certified Ethical Hacker
- EC-Council's Certified Security Analyst
- Adobe Certified Expert
- OCJP Certified
- Black belt six sigma certification
- AWS Certified SysOps Administrator – Associate
- AWS Certified Big Data – Specialty
- EXIN Cloud Computing Foundation
- EXIN BCS SIAM
- DCA - Docker Certified Associate
- CKA - Certified Kubernetes Administrator
- CJE - Certified Jenkins Engineer

Corporate Clients

INDIA

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| ➤ Infosys Technologies, Pune | ➤ Birlasoft , Bangalore |
| ➤ Wipro Technologies , Bangalore | ➤ IBM , Pune |
| ➤ Tata Consultancy Services / TCS, Pune | ➤ CSC , Hyderabad |
| ➤ Capgemini India, Mumbai | ➤ HP , Chennai |
| ➤ Vodaphone , Pune | ➤ Unique Infosystem , Noida |
| ➤ Relience (RTech) , Mumbai | ➤ Mindtree, Bangalore |
| ➤ Alexion , BKC , Mumbai | ➤ ATOS , Pune |
| ➤ CREST, Magarpatta, Pune | ➤ Deloitte , Hyderabad |
| ➤ CTS , Bangalore | ➤ DataPetrol , Pune |
| ➤ Sapient , Bangalore | ➤ Tata Communication Pune (TCL), Hyderabad |
| ➤ KPIT Cummins Infosystems Ltd, Pune | ➤ GE Healthcare , Bangalore |
| ➤ 3DPLM Software Solutions Limited, Pune | ➤ LTI (Larsen & Toubro) Infotech , Chennai |
| ➤ Persistent Systems Limited, Pune | ➤ DSRC , Chennai |
| ➤ Accenture Services Pvt Ltd , Bangalore | ➤ Tech Mahindra , Bangalore |
| ➤ HCL , Noida | ➤ Microland,Chennai |
| ➤ ADP,Pune | ➤ I-Flex Solutions , Chennai |
| ➤ NIIT , Mumbai | ➤ ORACLE , Bangalore |
| ➤ Polaris , Chennai | ➤ CityBank , Chennai |

- Dell , Bangalore
- Aricent , Gurgaon
- Genpact , Gurgaon
- EY , Bangalore
- Royal bank of Scotland , Gurgaon

Educational Institutes

- **Indian Institute of Technology (IIT)**
Delhi , Mumbai , Kanpur , Bhubaneswar , Mandi , Indore , Varanasi , Kharagpur , Guwahati , Madras
- **National Institute of Technology (NIT)**
Suratkal , Warangal , Raipur , Calicut , Bhopal , Durgapur , Agartala
- **Indian Institute of Management (IIM)**
Bangalore , Nagpur , Udaipur , Rohtak , Raipur, Gaya, Indore
- VIT University , Vellore
- University of Delhi , Delhi
- Lovely Professional University (LPU) , Punjab
- Savitribai Phule Pune University , Pune
- SRM Institute , Chennai
- Anna University , Chennai
- Dr. A.P.J. Abdul Kalam University Lucknow
- University of Mumbai , Mumbai
- Amrita Vishwa Vidyapeetham , Coimbatore
- Visvesvaraya Technological University, Belgaum
- Punjab University, Chandigarh
- Manipal Academy of Higher Education, Manipal
- Christ University , Bangalore
- University of Rajasthan , Jaipur
- Amity University , Noida
- K L University , Vijaywada
- Vignan University , Guntur
- RGPV , Bhopal
- RDVV , Jabalpur
- Sandeep University, Nashik
- VU , Pune
- GLA Mathura
- Manav Rachna , Faridabad
- Hindustan University , Chennai
- Ganpat University, Gujrat
- KU, Jorhat
- DAVV , Indore
- University of Mysore , Mysore
- JNTU , Kakinada
- Shivaji University , Kolhapur
- MIT Pune
- PSG College of Technology, Coimbatore
- Birla Institute of Technology, Mesra
- BITS, Pilani
- BITS, Hyderabad Campus
- Sardar Vallabhbhai NIT Surat
- Nirma University, Ahmedabad
- PES University, Bangalore
- College of Engineering, Guindy, Chennai
- Symbiosis International University, Pune
- JNTUH College of Engineering, Hyderabad
- Sri Sivasubramaniya Nadar COE, Kalavakkam
- Vishwakarma Institute of Technology, Pune
- G.L. Bajaj IT & Management – Noida
- Ganpat University
- Chitkara University

800+ Colleges from different locations. (India and Overseas)

Indian Government

- Indian Air force , Pune
- IAF , Gandhi Nagar
- MP Government , Bhopal MP
- Indian Railway , New Delhi
- Ministry of Communications
- Ministry of Consumer Affairs, Food and Public Distribution
- Department of Defence
- Ministry of Education
- Ministry of Electronics and Information Technology
- Ministry of Heavy Industries and Public Enterprises

- Ministry of Micro, Small and Medium Enterprises

International Clientele

- MBC Group (Middle East Broadcasting Center) Dubai, UAE
- Etisalat Academy Dubai, UAE
- Saudi Electrical Company, Riyadh
- ARABSAT, Riyadh, Saudi Arabia
- E-Oman Government, Muscat, Oman,
- HCL Singapore
- Exilant California, USA
- Shell Group Lagos,Africa
- Ecobank, Accra, Africa
- IBM Singapore
- Government of Tanzania
- Canadian Cooperation Office
- European Embassy
- UNDP (United Nations Development Programme)
- ZPC (Zanzibar Port Corporation)
- TRCA(Tanzania Communications Regulatory Authority)
- TRA (Tanzania Revenue Authority)
- TANESCO (TANZANIA Electric Supply Company)
- NACTE(National Academy Council for Technical Education, Tanzania)
- APTECH International (franchise – Unique Academy , Tanzania)
- IIHT International (franchise – Unique Academy , Tanzania)
- MGU University Tanzania campus , Meghalaya INDIA (MCA,Bsc IT and HNT)
- R & D center ,Bangkok (Data Clustering)
- Keemji Ramdas Info system , oman
- Ministry of Finance , Muscat
- Ministry of taxation , Muscat
- Oman Observer,Muscat
- Thomson Reuters Corporation
- Emirates Group
- Dubai Islamic Bank
- Abu Dhabi Commercial Bank
- DIVA
- Microsoft
- Yahoo
- Siemens LLC
- RTA, Dubai
- Abu Dhabi Judicial Department
- Abu Dhabi Police IT Department

Philippine

- NGCP (National Grid Corporation of the Philippines)

Technical Skills

Emerging Technologies	Industry 4.0 IBM Mainframe
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	<p>Artificial Intelligence</p> <p>Augmented Reality</p> <p>Virtual Reality</p> <p>Mixed Reality</p> <p>Autonomous Vehicles</p> <p>Blockchain</p> <p>Bots</p> <p>Cloud Computing</p> <p>Cloud Edge / Intelligent Cloud</p> <p>Data Science</p> <p>Additive Manufacturing</p> <p>Drones</p> <p>Edge Computing</p> <p>Industrial Internet of Things (IIoT)</p> <p>Intelligent Apps</p> <p>Internet of Things (IoT)</p> <p>Quantum Computing</p> <p>Robotics</p>
Block Chain	<p>Block Chain</p> <p>Corda</p> <p>Ethereum</p> <p>Fintech</p> <p>Hyperledger Fabric</p> <p>Hyperledger Iroha</p> <p>Hyperledger Sawtooth</p> <p>IoTA / Tangle</p> <p>MultiChain</p> <p>OX Protocol</p> <p>Quorum</p> <p>Ripple</p> <p>Stellar</p> <p>Tendermint</p>
Virtual Reality (VR)	<p>Google Cardboard</p>

<p>Augmented Reality (AR)</p> <p>Mixed Reality (MR)</p>	<p>Microsoft HoloLens</p> <p>Mixed Reality</p> <p>Oculus Rift</p> <p>Unity 3D</p> <p>Virtual Reality with Unity 5</p> <p>Amazon Sumerian</p>
<p>Business Intelligence</p>	<p>Cognos</p> <p>Oracle SQL</p> <p>Qlikview</p> <p>QlikSense</p> <p>Tableau</p> <p>Microsoft Power BI</p> <p>MSBI (SSAS, SSRS)</p> <p>MicroStrategy</p> <p>SAS BI</p> <p>OBIEE</p> <p>Pentaho</p> <p>Birst</p> <p>Alteryx</p>
<p>ETL Tools</p>	<p>Informatica</p> <p>IBM Infosphere</p> <p>Oracle Data Integrator</p> <p>Microsoft – SQL Server Integrated Services (SSIS)</p> <p>Ab Initio</p> <p>Talend</p> <p>Pentaho Data Integration</p> <p>Sybase</p> <p>Datastage</p> <p>SAP BODS</p> <p>SAS Data Integration</p>
<p>Big Data Hadoop</p>	<p>Big Data Hadoop Developer</p> <p>Big Data Hadoop Administrator</p> <p>Apache Spark</p>

	<p>Pyspark</p> <p>Apache Kafka</p> <p>Apache Flink</p> <p>Apache Storm</p> <p>Apache Nifi</p> <p>Mongo DB</p> <p>Cassandra</p> <p>Couchbase</p>
Devops	<p>Ansible</p> <p>Chef</p> <p>Docker</p> <p>ELK</p> <p>Ganglia</p> <p>Git</p> <p>Gradle</p> <p>Jenkins</p> <p>Jira</p> <p>Kibana</p> <p>Kubernetes</p> <p>Maven</p> <p>Nagios</p> <p>Puppet</p> <p>RabbitMQ</p> <p>Saltstack</p> <p>Selenium</p> <p>Splunk</p> <p>Terraform</p> <p>Vagrant</p>
Cloud Computing	<p>Amazon Web Services</p> <p>Google Cloud platform</p> <p>Microsoft Azure</p> <p>Cloud Foundry</p> <p>IBM Bluemix</p>

AWS	<p>AWS Certified Solutions Architect</p> <p>AWS Certified Big Data</p> <p>AWS Certified Developer</p> <p>AWS Certified DevOps Engineer</p> <p>AWS Certified Sysops Administrator</p>
Azure	<p>Microsoft Certified: Azure AI Engineer Associate</p> <p>Microsoft Certified: Azure Data Scientist Associate</p> <p>Microsoft Certified: Azure Data Engineer Associate</p> <p>Microsoft Certified: Azure DevOps Engineer</p> <p>Microsoft Certified: Azure Solutions Architect</p> <p>Microsoft Certified: Azure Administrator</p> <p>Microsoft Certified: Azure Developer</p> <p>Azure Bot Service</p> <p>Azure Analytics</p> <p>Azure Data Bricks</p> <p>Azure Stream Analytics</p> <p>Azure SQL DWH</p> <p>Azure HDInsight</p> <p>Azure Data Factory</p> <p>Azure Data Lake</p> <p>Azure Machine Learning Studio</p> <p>Azure Cloud Services</p> <p>Azure Container Services</p> <p>Azure IoT Hub</p> <p>Azure Service Fabric</p> <p>Azure Digital Twins</p>
Google Cloud Platform	<p>Google Certified Professional Cloud Architect</p> <p>Google Certified Professional Data Engineer</p> <p>Google Certified Professional Cloud Developer</p>
Artificial Intelligence And Data Science	<p>Machine Learning</p> <p>Deep Learning</p> <p>Robotics</p> <p>Natural Language Processing</p>

	Reinforcement Learning Artificial Neural Network Expert Systems Fuzzy Systems Computer Vision Speech Recognition Virtual Agents Text Analytics Emotion Recognition Image Recognition
Data Science Tools	Alteryx Azure ML Excel Knime Matlab MySQL Python R Rapid Miner RShiny RStudio SAS SAS Enterprise Miner SPSS Analytics SPSS Modeler SQL Tensor Flow Weka
IoT	Internet Of Things (IoT) Industrial IoT (IIoT) Internet Of Things (IoT) Analytics PTC – Thingworx IBM Watson IoT

	MQTT AND COAP - IoT Protocols AWS IoT Suite Azure IoT suite Cisco IoT Cloud Connect GE - Predix
Full Stack Developer	HTML5, CSS3, Java Script, Bootstrap Framework, Core Java, Design Patterns, Webpack, Gulp, Grunt, Spring, Spring Boot, Hibernate, Restfull Webservices, Microservices, PHP, Python, Django, JQuery, Heroku, Angular, C, C++, C#, Java, Ruby, MySQL, Redis, Rest, Soap, Unix, Linux, Algorithm Analysis, Data Structures
Mean Stack	MongoDB, ExpressJS, AngularJS, ReactJS, NodeJS
Python Stack	PyCharm, Jupyter Notebook, Bourne-again shell (Bash), PowerShell, Git, PostgreSQL, MySQL, Peewee, Redis, MongoDB, Apache Cassandra, Neo4j, pandas, SciPy, Numpy, Bokeh, d3.js, Matplotlib, Django, Flask, Bottle, Jinja2, HTML, CSS, Bootstrap, React, Vue.js, Angular, Celery, Redis Queue (RQ), Pelican, HTTPS, WebSockets, Bots, API Frameworks, Django REST Framework, SQL injection, Content Delivery Networks (CDNs), Linode, DigitalOcean, Lightsail, Heroku, PythonAnywhere, AWS CodeStar, Apache HTTP Server, Nginx, Caddy, Green Unicorn,uWSGI, Jenkins, Ansible, Docker, Kubernetes, AWS Lambda, Azure Functions, Google Cloud Functions, Prometheus, Rollbar
Basic Stack	C ,C++,Windows Server, Networking,Linux,Unix,AIX,ASP.Net,C#,DBMS,SSAD

Work Profile as a Trainer and Technical Consultant

- Conduct training sessions to corporate personnel to maximize performance.
- Develop and recommend management strategies to corporate clients.
- Interact with top managements to determine personnel requirements.
- Prepare and develop training material based on corporate requirements.
- Create monitoring and evaluation strategies and logistics.
- Assess and evaluate performance of corporate personnel.
- Document performance reports and worksheets of all personnel.
- Interact with management teams in scheduling training activities.
- Design and develop classroom materials and presentations.
- Ensure compliance of corporate standards and procedures in training sessions

Work Profile as a Data Scientist

Working as Data Scientist Consultant, Responsible for building new and additional features in the core product. Built a generalized Insights Engine based on NLP, Text Cleaning, Mining and Aggregations on top of Elastic Search. Major work areas include -

- Predictive models for social and digital engagements predictions.

- Recommendation engines for specific industries and specific channels.
- Forecasting and segmentation problems on social data
- Facebook Promoted Post Detection Problem using automated Machine Learning Models

Developing capabilities in analytics, recommendation engines, predictive modeling, machine learning and utilization of information as an asset via data processing, analysis, data mining, information trading and other means.

Work Profile as a Blockchain Developer

Projects list on Hyperledger framework

- Block chain based Business Network Implementation.
- Block chain based Solution for Animal Tracking network based on UK DEFRA regulations
- Block chain based Solution for Bond Reference Data Sharing Business Network Implementation.
- Block chain Based Solution for vehicle auction network Management
- Block chain based Solution for Digital chattels Network.
- Block chain based Solution for endowment clearing.
- Block chain based solution for calligraphy of credits.
- Block chain based solution on marbles Network.
- Block chain based smart contract for SCM network .
- Block chain based solution for Business Network to illustrate using Access Control over Personally Identifiable Information.
- Block chain based solution for Commodities Trading Business Network network.
- Block chain based solution for Vehicle Lifecycle Management.
- Block chain based solution for vehicle Manufacturing Management.
- Block chain based smart contract for e-voting solution.
- Block chain based smart contract for fund collection and fund distribution.
- Block chain based crypto currency Implementation.

Work Profile as an IOT Solution Architect

- Developing Intel's / Raspberry Pi /Arduino / ThingWorx architectural recommendations across domains, functions & provide technical support to ensure implementation
- Collaborating with channel partners across the embedded customer continuum to deliver compelling solutions
- Lead Architecture assessment and design for infrastructure domains that provide core capabilities for the enterprise
- Engaging technical decision makers, industry influencers, policy makers, and business leaders of existing and potential customers to drive awareness and early adoption of new Intel technologies, platforms and products
- Responsible for solution design: Collaborate with internal and external customers by providing customer use case analysis, business model analysis, engineering and design of technical solutions, technical presentations, and technical consultation to internal and external customers
- Act as a technical liaison between customers, service engineering teams and support
- Creative and energetic with a strong interest in leading edge technology and experience in project management and strong presentation skills
- Working knowledge on IoT Strategy , standards , protocols
- Deep business knowledge of industry verticals (Automotive, Building Management, manufacturing)
- Identify architectural risks and plans to mitigate
- Hands on experience with IoT PaaS such as IBM Bluemix-NodeRED, AWS-IoT, SAP-IoT, and Azure-IoT

- Design and oversee development IoT platform ecosystem including edge sensors, gateways, aggregators and actuators, mesh networks, IoT cloud services such as data ingestion, device provisioning, analytics and orchestration
- Partner with product management and product development to drive adoption and massively scale IoT capabilities throughout the enterprise
- Hands on experience with constrained devices such as Arduino, RaspberryPI, TI, ARM
- Define, apply, and drive the use of patterns, best practices, and standards
- Ensure strategies, standards, and architectures are consistent and integrated across IT domains

IIOT Projects list

- Creating a raspberrypi-Powered magic mirror
- Automated gardening system
- Integrating cheerlights in to a holiday display
- Erase parking headaches with opencv and raspberrypi
- Building netflix's the switch for the livingroom
- Lock down with a windows iot facerecognition doorsystem
- Smart Surveillance Monitoring System Using Raspberry PI and PIR Sensor
- Motion Detection Alarm System
- Ultrasonic Value to Thing Speak
- PatientCare: Healthcare Monitoring
- Voice Controlled Home Automation
- Ball Tracking Robot
- Solar Powered Raspberry Pi
- PiPhone – A Raspberry Pi based Smartphone
- Raspberry Pi Microwave
- Smart Home
- Garage Door monitor using Raspberry Pi
- Wireless Sensor Network System Design using Raspberry Pi
- Raspberry Personal Assistant
- An Amazing DIY Raspberry Pi Music Player
- Vehicle Tracking Via google map and RBP