

Nilendra Kumar Bharti - AI, ML, IoT, Telecom, and Big Data Expert

Nilendra Kumar Bharti Certified Scrum Master(CSM) & Certified Bulletproof Manager [✉ bharti.nilu@gmail.com](mailto:bharti.nilu@gmail.com) | 
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Professional Summary

A seasoned technology leader with over 25 years of experience driving innovation in AI, big data, and telecommunications. Expert in leading large-scale engineering teams, architecting cutting-edge solutions, and delivering transformative results in AI modeling, 5G technologies, and legacy IP&SS7 stacks. Proven success in developing AI-first products and fostering high-performing development ecosystems.

Core Competencies

AI & Machine Learning

Expertise in OpenAI, Meta, Hugging Face, Mistral for AI-driven solutions, including NLP and chatbot development.

Telecom Engineering

Profound knowledge in 2G to 5G technologies, SS7 and IP based application servers, IMS, EPC, RCS, HSS, PCRF, DR, RBM etc.

Big Data & Analytics

Hands-on experience with Hadoop, Mediation, and CGNAT systems managing 40TB+ data streams.

Leadership

Extensive experience in team building, strategic planning, and technical solutioning for global markets.

Legacy Systems

Deep understanding of SS7 protocols, including TCAP, CAP, MAP, ISUP based application layer like SCP, MSC, USSD, HLR etc.

IoT Expertise

Experience with sensor integration, various connectivity protocols, gateway management, cloud storage solutions (e.g., AWS IoT Core, Azure IoT Hub, Google Cloud IoT Core), and UI development for visualizing and interacting with IoT data.

Professional Experience

1

Delivery to: Crossover (Oct 2023 – Present)

Head of Product & Engineering

- Spearheading the development of AI-first products and digital services, positioning the company as a tech innovator.

2

Delivery to: Sterlite Technologies Limited (Jan 2022 – Sep 2023)

Chief Consultant Engineering and Product

- Directed engineering efforts for advanced solutions in 5G RAN, PCRF, Mediation, and Intellza Hadoop Framework.
- Led the re-architecture of CGNAT & IPLMS systems, optimizing them for massive data throughput for Indian Tier -1 MNO.

3

Arete Telcom Solutions Pvt Ltd (Aug 2019 – Present)

Chief Technology Officer and Co-Founder

- Developed AI-based chatbots leveraging RCS, IMS, and RBM technologies.
- Achieved GSMA accreditation for hosted IMS and RCS solutions.
- Deployed 250+ "Network in a Box" solutions, primarily for defense applications.

4

Plintron Technologies Pvt. Ltd. (June 2008 – July 2019)

Co-Founder, Head of Delivery & CTO

- Built the largest MVNE/A platform globally, serving millions of subscribers.
- Launched 50+ MVNO brands in 22 countries, integrating complex telecom systems.

5

XIUS BCGi, Megasoft Ltd. (Oct 2005 – June 2008)

Project Leader & Domain Specialist

- Managed key technical transitions and developed MVNx solutions for international telecom markets.

Education

- MCA (Master of Computer Applications), IGNOU, India
- M.Sc. (Physics), Ranchi University, India

Achievements

- Hall of Fame Award (2014-15): Recognized for architectural innovation at Plintron.
- Best Network Architecture (2011-12): Applauded for robust telecom solutions.
- Certified Scrum Master: Expertise in agile project management.

Technical Expertise

AI & NLP

OpenAI, BARD, Copilot, Mistral.

Telecom Technologies

IMS, EPC, RCS, RBM, SS7 protocols, and IP-SM-GW.

Big Data

Hadoop, CGNAT, IPDR systems.

Programming & UI

C/C++, Java, python, Golang, C#, PHP, AngularJS, WebRTC.