
Prajith Paran

Dubai, UAE

mails@prajith.com • +971 559 532 703 • [LinkedIn Profile](#)

A visionary and results-driven IT leader with **20+ years** of experience in the **telecom** and **enterprise architecture** space. Specialized in the design and implementation of **cloud-native architectures**, **5G Standalone (SA)**, and **Generative AI**-enabled systems, with a focus on real-time **telecom billing**, **network automation**, and **AI-based customer engagement**. Expert in **3GPP standards** (R15, R16, R17 etc.) and the integration of cutting-edge technologies into scalable enterprise solutions. Proven track record in **Agile project management**, **systems engineering**, and **cross-functional leadership**.

Core Competencies

- **Emerging Telecom Technologies:** 5G-SA Architecture, Dynamic Network Slicing, 3GPP R15/R16/R17, SBI Integration, ONAP, O-RAN
- **Cloud-Native & DevOps Technologies:** Kubernetes, Docker, Istio, Helm, Prometheus, ArgoCD, CI/CD Automation, Microservices
- **Generative AI & Machine Learning:** AI-driven automation, NLP, TensorFlow, PyTorch, OpenAI Models, AI-based operational workflows
- **Cloud Platforms:** AWS, Google Cloud, Microsoft Azure, Serverless Architecture, Hybrid Cloud Solutions
- **BSS/OSS System Architecture:** Real-time Charging (5G-SA), BSS integration, Billing Automation, Convergent Charging (Huawei, Ericsson)
- **Technical Leadership & Strategic Planning:** Full-Cycle Project Management, Solution Architecture Design, Risk Management, Business Alignment, Team Development

Key Skills:

- Blueprint & Solution Design
- Full-Cycle Project Management
- IT Strategic Planning & Implementation
- Architecture Standards & Principles
- Systems Engineering & Architecture
- Business Alignment & Risk Management
- Cloud-Native Architectures & Orchestration
- Product Design & Configurations

- Generative AI Integration
 - Cross-Functional Collaboration
 - Agile Methodologies
 - Team Leadership & Development
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Professional Experience

Emirates Integrated Telecom (DU), Dubai, UAE Senior Manager Solution Design & Architecture

May 2011 – Present

- Lead the design and execution of high-impact telecom solutions, driving digital transformation through **cloud-native architectures**, **5G-SA integrations**, and the introduction of **Generative AI** in customer engagement systems.

Key Achievements:

- **5G-SA Integration & Network Compliance:** Led the successful integration of **5G-SA** architecture, focusing on **dynamic network slicing**, **SBI integration**, and **charging functions** (CHF) compliant with **3GPP R15/16/17** protocols, ensuring alignment with next-gen telecom standards.
- **Cloud-Native Transformation:** Spearheaded the transition from legacy systems to cloud-native microservices architectures using **Kubernetes**, **Docker**, and **ArgoCD**, achieving enhanced scalability and streamlined **CI/CD** workflows.
- **Generative AI for Telecom Operations:** Deployed **Generative AI** models (leveraging **OpenAI** and **TensorFlow**) for **AI-driven customer engagement**, automating customer support and enhancing marketing personalization.
- **Real-Time Charging System Expansion:** Designed and integrated advanced real-time charging solutions across **post-paid services**, enabling seamless billing for Voice, SMS, and Data.
- **Billing & Invoicing Platform Re-engineering:** Modernized **billing** and **invoicing platforms** by integrating **OpenText StreamServe** with **BSCS** to support complex consumer and enterprise billing models.

Notable Projects:

- **5G Network Automation and Charging:** Architected and implemented **dynamic slicing** capabilities, utilizing **ONAP** and other open-source tools to automate network resource allocation, enhancing QoS for enterprise clients.

- **Private 5G Networks for Enterprise Solutions:** Delivered bespoke **private 5G** solutions tailored for enterprise clients, integrating **IoT** and **AI** for real-time data insights and remote device management.
- **AI-Based Customer Support Automation:** Implemented AI-powered **chatbots** and predictive analytics for customer service, reducing response times by 40% and improving customer satisfaction scores.

Emirates Telecommunications (ETISALAT), Abu Dhabi, UAE

Manager, Solution Design and Development

Dec 1996 – May 2011

- Led the design and implementation of telecoms systems, focusing on **BSS/OSS integration**, real-time billing, and network security, with expertise in building scalable solutions for telecom providers.

Notable Projects and Accomplishments:

- **Post-Paid Rating Engine:** Architected a high-performance **rating engine** for 20+ post-paid products, achieving operational efficiency and real-time billing capabilities.
- **Roaming Data Exchange (NRTRDE):** Designed a **fraud prevention system** for roaming, reducing roaming fraud incidents by capturing and sharing **CDRs** in near real-time.
- **SOA & EAI with Enterprise Service Bus:** Developed a robust **ESB** that enabled seamless integration between **BSS/OSS systems**, enhancing operational agility and scalability.

Additional Experience:

- Technical Architect & Design Lead/ EAI Architect/ Technical Architect/ Systems Analyst, Emirates Telecommunications (ETISALAT)
 - Senior Software Engineer, Al Andalus Group of Companies, KSA
 - Software Engineer, Canada-India Institutional Cooperation Project, Kerala, India
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Education

Bachelor of Technology in Computer Engineering (1st Class Honors)-1992

Mangalore University, India

Certifications & Professional Training

- **Certified SAFe Agilist & Architect**
- **TOGAF 9 Certified** (Enterprise Architecture)
- **ITIL V3 Certified** (IT Service Management)
- **IBM Blockchain Foundation Developer**
- **Huawei CBS 5.21 Convergent Charging & Billing Solution** (5G-SA)
- **APIGEE Solution Design Certification**
- **TIBCO, Oracle, DEC Certifications**

Technical Proficiencies

- **Cloud Platforms: AWS, Azure, Google Cloud, Serverless Computing**
- **DevOps & Automation: Kubernetes, Docker, Istio, ArgoCD, Helm, Prometheus, Fluentd**
- **AI & Machine Learning: TensorFlow, PyTorch, OpenAI, NLP frameworks**
- **Database Technologies: MySQL, MongoDB, Redis, ScyllaDB, Cassandra**
- **5G Technologies: 3GPP R15/16/17, 5G-SA, SBI, Charging Function (CHF)**
- **Telecom Systems: Huawei, Ericsson 5G Charging Systems, BSS/OSS, Onboarding Solutions**

Strategic Additions:

1. **Leadership & Team Development:** Leadership skills and strategic vision, especially with the cross-functional teams for projects like **5G-SA and BSS implementations**.
2. **5G-SA Impact:** Part of certification from Apple for 5GA roll out first in the GCC area. Participated in GSMA Catalyst and received award for Metaverse **Chasm-Monitozing echo system**.
3. Participation in **5G working groups** like LF networking 5G Super Blue print(SBA) **GSMA , O-RAN, etc.**.