

# Rohith Ramachandran

📍 Bangalore, India ✉️ rohith.karthika@gmail.com 🔗 [linkedin.com/in/rohith-ramachandran](https://www.linkedin.com/in/rohith-ramachandran)

🔗 [github.com/rohithramachandran](https://github.com/rohithramachandran)

## PROFESSIONAL SUMMARY

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Technical Architect with nearly 14 years of hands-on experience driving enterprise-grade telecom products from inception to production. Instrumental in scaling engineering teams from 200 to 2,000+ members while leading the development of comprehensive BSS platforms. Expertise spans the entire product lifecycle: from delivering customer demos and authoring architectural documentation (SoW, HLD, LLD), to pioneering AI-assisted software development and orchestrating automated testing protocols. Deep expertise in TMF (TeleManagement Forum) Open API frameworks, successfully leading organizational API certifications. Proven track record of deploying robust telecom solutions on Kubernetes and cloud environments globally, with extensive international deployment experience across 10+ countries.

## CORE COMPETENCIES & SKILLS

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<b>Architecture</b>	Microservices, REST APIs, Telecom BSS, CRM, Online Charging Systems (OCS), Product Catalogue, SOA, High Availability
<b>Frontend</b>	React, Angular, TypeScript, HTML5, CSS3, Webpack
<b>Backend</b>	Node.js, Express, Java, Spring Boot, Python, C++
<b>Database</b>	Oracle, MongoDB, PostgreSQL, SQL, Redis, ChromaDB, Pinecone
<b>Cloud &amp; DevOps</b>	Kubernetes, Docker, Linux, Git, Jenkins, CI/CD, Ansible, AWS
<b>Monitoring</b>	Kibana, Grafana, Prometheus
<b>AI / ML</b>	Machine Learning, NLP, LangGraph, LangChain, PyTorch, Ollama, RAG Pipelines
<b>Security &amp; Testing</b>	SonarQube, OWASP ZAP, Snyk, Trivy, Robot Framework, Playwright, Claude Code

## PROFESSIONAL EXPERIENCE

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## SixDee Technologies

Jun 2012 — Present

### Senior Technical Architect

Sep 2025 — Present

- **Strategic Leadership:** Driving technical strategy for a 2,000+ member engineering organization. Overseeing pre-sales initiatives, conducting global product demos, and authoring pivotal SoW, HLD, and LLD documentation.
- **AI-Driven Engineering:** Standardizing AI-assisted development (Claude Code) and automated testing protocols (Robot Framework, Playwright) to dramatically increase delivery velocity and code quality.
- **Post-Production Strategy:** Establishing robust DevOps pipelines and operational monitoring stacks (Kibana, Grafana, Prometheus) while overseeing high-level Application Development & Maintenance (ADM).

### Technical Architect

Sep 2021 — Sep 2025

- **Core Platform Architecture:** Architected enterprise-grade telecom platforms including CRM, Convergent Billing System (CBS), and real-time Online Charging Systems (OCS) processing millions of subscribers.
- **TMF Open API Certification:** Led the organization through rigorous TMF conformance certification, successfully certifying TMF 620, 621, 632, 635, and multiple other APIs to ensure industry interoperability.
- **Cloud-Native Deployments:** Directed the migration and deployment of distributed telecom solutions onto Kubernetes (K8s) and VM-based cloud environments, optimizing for high availability.

### Senior Software Engineer

Oct 2016 — Sep 2021

- **Full Stack Development:** Engineered seamless Selfcare Web & Mobile Applications, integrating deeply with backend CRM and CBS modules to empower subscriber self-service.
- **International Deployments:** Travelled to 10+ countries to lead on-site deployments at major mobile operator networks. Handled UAT support, live cutovers, and knowledge transfer to global teams.
- **System Integration:** Built channel-agnostic Subscription Management platforms and intricate Partner Management Systems (PRM) for vendor onboarding and revenue settlement.

### Software Developer

Jun 2012 — Sep 2016

- **Backend Systems:** Developed mediation layers responsible for collecting, transforming, and routing CDRs/EDRs between network elements and billing engines.
- **IoT Connectivity:** Contributed to the development of an enterprise IoT SIM Connectivity Management Platform (CMP).

## EDUCATION

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### Bachelor of Technology, Computer Science

2008 — 2012

Anna University

### Front End Developer Certification, Computer Science

2017

freeCodeCamp