

Saqib Sarker

Software & Systems Architect · Technical Leader

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SUMMARY

Engineer with ten years in large-scale telecom software, from C and C++ baseband development through system architecture to leading delivery units of 50+ engineers. Six years hands-on in Ericsson baseband, then architecture and delivery roles in which I kept reading and reviewing code throughout. Current focus: hands-on AI adoption and transformation: agentic systems on AWS, client AI workshops, and AI-native ways of working in my delivery teams.

Deepest work is on constrained real-time systems: verification tooling for an L2 scheduler that stayed in production for almost eight years, software interface design and backward compatibility across a 5G platform modularisation, and feasibility studies in a very large codebase.

CORE SKILLS

Languages: C, C++, Python

Systems: Embedded real-time software, LTE/4G & 5G NR baseband, Cloud RAN, Interface design & backward compatibility

Cloud & AI: AWS solution architecture, LangGraph (multi-agent StateGraphs), Amazon Bedrock, pgvector, Lambda, S3, DynamoDB, API Gateway, IoT Core

Practice: Test framework design, Code review, AI-assisted development & Agentic workflows, Git, Jenkins, GitLab CI, CMake, Docker, AI adoption & transformation

Delivery: Phase-gated delivery, Scrum, SAFe, Product ownership, Requirements management

Leadership: Technical leadership, Delivery ownership, Line management, Coaching, Pre-sales

EXPERIENCE

Delivery Manager, Technical Leader & Technical Sales

03/2024 – present

Knowit Connectivity · Stockholm

Delivery ownership across multiple Ericsson engagements, alongside hands-on AI adoption and transformation, AWS solution architecture (LangGraph, Bedrock, CDK) and pre-sales.

- Design and build AWS proof-of-concepts for AI, data and IoT hands-on: LangGraph multi-agent StateGraphs, Bedrock, Lambda, DynamoDB, pgvector, API Gateway, EventBridge.
- Own the technical content of pre-sales: scope engagements, pitch new teams, and hold the feasibility discussions that decide whether a proposal is credible.
- Led a Bangalore delivery-site audit and delivery-model design for a major telecom client (08/2025 – 11/2025).
- Run hands-on AI workshops for client engineering teams, embedded developers and knowledge workers at companies such as Ericsson, Cytiva, Saab and Epiroc.
- Advise teams on scaling AI tool adoption and build AI-native ways of working in my delivery teams.

Interim Consultant Manager 04/2025 – 04/2026, then handed back.

Tech: AWS, LangGraph, Bedrock, pgvector, Python, solution architecture, pre-sales, AI adoption, AI transformation

Delivery Manager, Ericsson Cloud RAN

04/2022 – 03/2024

Knowit Connectivity · client Ericsson · Stockholm

Overall delivery responsibility for Ericsson's Cloud RAN programme: five cross-functional teams plus an expert team, 50+ engineers.

- Grew the engagement from two teams to five, holding scope, timeline and quality against customer expectations throughout.
- Held budget responsibility of approximately SEK 1 million per team per month.

– Coached each team's product owner and coordinated delivery planning across all teams.

Tech: Cloud RAN, 5G, delivery management, budget ownership, product ownership, SAFe, Scrum

Product Owner & System Architect, 5G Baseband

11/2019 – 04/2022

Knowit Connectivity (Cybercom) · client Ericsson · Stockholm

Internal architecture improvement for Ericsson 5G baseband software: modularisation, architecture governance and test strategy, rather than feature delivery.

- Owned the software interface work in the modularisation programme, including backward compatibility between communicating software systems.
- Evaluated interface and protocol adapter technologies for constrained embedded environments; the team built custom in-house adapters as a result.
- Drove architecture governance and improvements to the test strategy across the programme.

Tech: 5G NR, baseband, software modularisation, interface design, backward compatibility, protocol adapters, architecture governance, test strategy

Product Owner & Project Manager, 4G RA Capacity

02/2019 – 01/2020

Knowit Connectivity (Cybercom) · client Ericsson · Stockholm

Operational product owner for three cross-functional teams inside Ericsson's phase-gated project model: requirements management, milestone planning and delivery coordination across time zones.

Tech: LTE, 4G, RA capacity, requirements management, milestone planning, Ericsson project model

Software & System Developer, LTE Baseband

12/2015 – 02/2019

Cybercom (now Knowit Connectivity) · client Ericsson · Stockholm

Hands-on C and C++ development in Ericsson's LTE/4G baseband platform, spanning module development, verification tooling, technical studies and proof-of-concept work.

- Co-built a C-based test framework for the L2 scheduler that remained in active verification use for almost eight years before it needed a major overhaul.
- Ran a technical study and proof of concept on supporting an extreme sector count on severely constrained hardware — code rewrites and feature trade-off analysis across a very large existing codebase.
- Developed baseband modules, translated complex requirements into design and implementation, and built prototypes with system architects.
- Served as Scrum Master for a team of five.

Tech: C, C++, Erlang test suites, LTE, baseband, L2 scheduler, real-time systems, test framework design, performance analysis, prototyping

EDUCATION

Bachelor in Electrical Engineering

2012 – 2015

KTH Royal Institute of Technology, Stockholm

CERTIFICATIONS

AWS Certified Solutions Architect – Associate — AWS

2026

Anthropic Claude & AI Accreditations — Anthropic Academy

2026

Certified SAFe 6 Product Owner / Product Manager — SAFe

2023

Product Owner certification — Scrum Alliance

2019

IASA CITA Foundation — IASA Global

2018

Certified Scrum Master — Scrum Alliance

2017

LANGUAGES

Swedish: Fluent

English: Fluent

Bengali: Basic