

+SYED "SIRAJ" UL HAQUE, MBA, MS

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Cross-functional Team Leader | Full-stack developer | ML Engineer | Expert Data Engineer | RF Engineer | Project Manager

PROFESSIONAL PROFILE

Engineering leader with domain expertise in telecom, Cloud infrastructure, finance, Pre-Sales/Marketing and healthcare industries. Proven track record in leading cross-functional teams to deliver complex, high-quality products, drive cost savings, and process improvements.

- Deep technical expertise in Product development, AI/ML, LLM, AI Agent, Cloud infrastructure, Data Infrastructure, RF/wireless communications (including RF & transport KPIs), and full staff software development.
- Led process improvement and user-centric product development across government and corporate sectors, driving customer insights into actionable roadmaps.
- Delivered multiple national-scale initiatives with cross-functional teams, achieving multimillion-dollar savings and measurable operational impact in last 20+ years.
- Translated behavioral and lifecycle data into strategic inputs through agile practices, real-time experimentation, and stakeholder collaboration.

AREAS OF EXPERTISE

Leadership: Cross-Functional Teams | Project Management | Process Improvement | Hiring & Onboarding | Coach & Mentor Performance Management | Resource Allocation | Delegation | Customer & Stakeholder Engagement | Budgeting | Proposals

Software Engineering: Developer (python/.Net/Java) | DevOps (git, CI, Docker, Kubernetes and etc.) | Cloud Infrastructure | Data Infrastructure | Data Analytics | BI | SQL | Data Brick | Snowflake | LLM | OpenAi | RAG | LangGraph | CrewAI | AutoGen)

RF Engineering: Wireless Network Design, Deployment, Integration, & Optimization (5G, LTE, UMTS, WiMAX)

Methodologies: Agile | Scrum | PMP | Six Sigma | Growth Mindset

Industry Sectors: Telecom | Banking | Pre-Sales | Healthcare | Government

PROFESSIONAL EXPERIENCE

T-MOBILE USA | SR. SOFTWARE ENGINEER – TEAM LEAD | CONCORD, CA 2012 to Present

- Leads a cross-functional engineering team delivering custom software and reporting solutions for Ops, RF Planning, Optimization, and RAN. Combines hands-on development with domain expertise to streamline business workflows and improve processes.
- Coordinates LTE, UMTS, 5G, AAV, and Microwave integration—including re-homing, retuning, and optimization—across the Western region. Develops centralized tools by analyzing workflows, eliminating redundancies, and gathering input from stakeholders.
- Drove agile product development within cross-functional pods by writing user stories, managing JIRA workflows, and collaborating with engineers and data scientists through standups and sprint reviews.

Impact:

- National Baseline Project – Site Parameters Audit: cut workflow time and baselining activity from one week to <1 hour and data crunching time from 11 to .5 hours. (Received Winner's Circle Award for this).
- Hands-on developer: Developed multiple applications (both Desktop and Web), Rest API services, databases, Workflows and Dashboards. (REST API, Power BI reports, Power Apps, Splunk Reports, QLIK, Snowflake, Snowflake, Python, C#).
- Key Products: Operational Score Card Dashboard (5 yrs., still running), Rehome tool, Baseline scripting tool, Ericsson Script Generator (8 yrs), Ericsson Node Temperature Dashboard, UMTS Integration Tool (ran for 14 yrs. this project saved multimillion dollars for T-Mobile.), LTE Retune Tool, Operation KPI monitoring tool, Site Hardware (using Deep learning) and Cost monitoring Dashboard. National RFDS, CIQ Generator, MME and AMF link Audit Tool.
- **Winner's Circle Award** Winner and Multiple-time PEAK award nominee for extraordinary contributions to the business.

MORGAN STANLEY USA | SR. SOFTWARE ENGINEER | MANHATTAN, NY 2009 to 2012

Led end-to-end delivery of enterprise reporting tools, from requirements gathering to deployment. Worked closely with stakeholders to define user needs and translate them into functional specifications, driving the development of WPF applications, web applications, web services, OLAP Cubes and plugins. (C#, ASP.NET, WCF, WPF, Prism, WCF, Sybase, OLAP)

T-MOBILE USA | RF/SOFTWARE ENGINEER | CONCORD, CA 2008 to 2009

Produced software solutions to support RF and RAN engineering groups. Coordinated across departments/markets to streamline Node-B integration and re-homing across western region. Analyzed operational workflows, documented inter-departmental unwanted repeating process, engaged with stakeholders/engineers and proposed/developed solutions.

PREVIOUS EXPERIENCE

KALSoft (CMMi-3/Microsoft Gold Partner) | Software Engineer

2007 to 2008

Team Leader, Developer, Corporate Trainer. Developed software, contributed to pre-sales on demo-presentation team, and helped create WBS, resource assignments, and project schedule. Supported analysis phase and gathered stakeholder requirements. Created management status reports, conducted status meetings, and led training sessions.

- Capital District Government Project: International Driving License Module, Arms Licensing Module, District Health Office Module, Pharmacy & Drugstore Licensing Module (ASP.NET, Webservices, C#.NET, SQL server)
- Liaquat National Hospital Project: Blood Bank System, Outpatient Department System, IPD Patient Food & Nutrition Record System (ASP.NET, Webservices, C#.NET, SQL server)

Broadwave | RF Engineer, Team Leader, Pre-Sales

2006

Led **Large** member engineering deployment team; Conducted roadshows for WiMAX hardware for multiple vendors as part of Pre-Sales team. Did market research, customer segmentation & Value Proposition development. Managed contract negotiations, procurement Management, and post-sales customer engagement to ensure client satisfaction and long-term partnerships.

- Deployed point-to-point microwave and WiMAX (16d) links for multiple clients
- Led large team to deploy city-wide WiMAX network P2MP with 40+ nodes to integrate two banks network after merger: Standard Chartered Bank & ABN Bro bank.

iLogic –| RF Engineer

2005

Installed Axxcelera ExcelAir 70 P2MP Base Station (DOCSIS-based). Surveyed site and conducted link budgeting, frequency planning, and network optimization. Configured Windows servers, CISCO switches, and routers. **Client:** Micro Tech Lab

KALSoft | Software Engineer | UAE

2002 to 2003

Microsoft platform application developer.

EDUCATION - CERTIFICATION

Master of Business Administration (MBA) - Dean's List | University of Illinois Urbana-Champaign | Urbana-Champaign, IL
Entrepreneurship, Finance, Leadership, Investment, AI & Data monetization, Strategy, Accounting.

Master of Science (MS), RF & Wireless Communications | University of Leeds | Leeds, UK

Communication Systems, Antenna Design, RF & Microwave Circuits, DSP

Project – DSP/MATLAB: https://github.com/ssuhaque/DAFX_Digital_Audio_Effects

Bachelor of Engineering (BE), Information Technology – Gold Medalist | Hamdard University

Software Engineering Database, Network, Communication Systems, Computer Vision, Signal Processing, DSP

Project – Flight Control System/MATLAB: <https://github.com/ssuhaque/Autopilot>

Nanodegree: Self-Driving Car Engineer | Udacity School of Autonomous Systems

Machine Learning, Deep Learning, Data Science, Computer Vision, Sensor Fusion

Graduate Coursework – Business Leadership Program | University of Washington | Bothell, WA

Project Management, Business Communication, Cost Management

AWS Certified AI Practitioner | AWS (AI, ML and LLM)

DeepLearning.AI: Generative AI with LLM **Specialization** | Deep Learning **Specialization** | Machine Learning **Specialization**.

NVIDIA: Accelerated Computing with CUDA Python

IBM: RAG and Agentic AI

Microsoft: AI Product Manager

TRAINING

T-Mobile: PMP, Altitude Program, Splunk, QLIK, Power Bi, Tableau, Power App, Splunk, 5G, NB-IOT

Cloudera: Big Data Developer (APACHE Hadoop), Data Cloud Analyst (Pig, Hive, Impala with Hadoop)

AWS University: Data Science, Machine Learning, Math for Machine Learning, AWS Deep Racer

Linux Academy: AWS Certified Developer, Associate Level | AWS Certified Machine Learning, Specialty | Docker & Kubernetes

Six Sigma Green Belt, Concordia University, **Kal Academy:** Intro to BizTalk, Workflow Foundation WF & WCF

DSP-Design: Programming MS Embedded Windows | **Arieso:** Optimization UMTS Network by Arieso GEO Tool

Symbian: Symbian C++ Programming | **iLogic:** Axxcelera E70 Equipment, P2MP DOCSIS Wireless Network

Broadwave: Sky Pilot Ad-Hoc Wireless Mesh Network | **Cisco:** Cisco Certified Network Associate (CCNA)

TECHNOLOGY

Artificial Intelligence (AI) | Machine Learning (ML) | Cloud Infrastructure: AWS, Azure, Docker, Kubernetes, Cloudera Hadoop | Data Analytics & Dashboards: Tableau, Power BI, QLIK, Splunk, Databricks, Snowflake, Power App | CI/CD & Build Tools: Jenkins, Travis, CI, Git, Docker, bitbucket | Signal Processing | Control Systems | MATLAB | R | Python | TensorFlow | Azure OpenAI | F# | C# | C++ | Java | Power Query | DAX | SQL | Blazor | ASP.NET | WPF | Alteryx | UIPATH | TensorFlow | PyTorch | OpenAI | RAG | LangGraph | CrewAI | AutoGen