**+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**

Product Management and Engineering Leader with 20+ years of experience driving telecom and cloud solutions from concept to large-scale deployment. Proven ability to define product vision, translate customer needs into actionable roadmaps, and lead cross-functional teams to deliver innovative branch, RF, and data infrastructure solutions. Skilled in product lifecycle management, market analysis, and stakeholder alignment to drive adoption, cost savings, and measurable business value. Strong background in AI/ML, cloud platforms, and full-stack development enhances ability to build data-driven, customer-centric products.

* 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, CA2012 to Present

* Led cross-functional product teams to design, build, and launch branch and network solutions supporting Ops, RF Planning, Optimization, and RAN. Defined product requirements and roadmap by engaging stakeholders, gathering customer insights, and translating workflows into scalable solutions. Drove agile product development through user story creation, backlog prioritization, and sprint execution in collaboration with engineers and data scientists.
* 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 highlights:  
- National Baseline Product: Delivered site parameters audit solution reducing workflow time from 1 week to <1 hour; cut data processing time by 95%, unlocking multimillion-dollar efficiency gains.  
- UMTS Integration Tool: Managed end-to-end product lifecycle for a tool used for 14 years, saving millions in operational costs and ensuring seamless nationwide integration.  
- Operational Scorecard Dashboard: Launched KPI monitoring dashboard still in use after 5 years, providing executives with real-time performance insights.  
- Ericsson Script Generator & LTE Retune Tool: Developed and scaled critical RF and transport solutions, enabling faster deployment and optimization across multiple regions.  
- Recognized with Winner’s Circle Award and multiple PEAK nominations for delivering measurable business outcomes.

* 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, NY2009 to 2012

Partnered with business stakeholders to define reporting product requirements, gather user needs, and prioritize features. Oversaw full lifecycle delivery of enterprise reporting tools, including dashboards, OLAP cubes, and web applications, improving decision-making for trading and operations teams. Balanced technical delivery with business value by translating complex requirements into user-friendly tools.  
Key wins:  
- Launched batch reporting and OLAP-driven analytics solutions, significantly reducing manual reporting time.  
- Acted as bridge between business users and engineering, ensuring alignment on KPIs, compliance, and performance goals.

**T-Mobile USA | RF/Software Engineer** | Concord, CA2008 to 2009

Developed workflow automation products to support RF and RAN engineering groups, enabling faster Node-B integration and network optimization. Conducted stakeholder interviews across markets to identify bottlenecks and create scalable solutions. Improved cross-department collaboration by consolidating processes and eliminating redundancies.

**Previous Experience**

**KALSoft (CMMi-3/Microsoft Gold Partner) | Software Engineer**  2007 to 2008

Delivered multiple enterprise applications for healthcare and government clients, translating user requirements into product features and roadmaps. Collaborated with pre-sales teams to demonstrate product value to clients and secure contracts. Balanced technical leadership with stakeholder management to ensure adoption and long-term client satisfaction.

* 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

Blended product development and customer-facing responsibilities: conducted market research, designed value propositions, and led client demos for WiMAX hardware. Partnered with vendors and clients to define requirements, negotiate contracts, and oversee deployment of wireless solutions, including a city-wide WiMAX network integrating two major banks after a merger.

* 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](https://www.coursera.org/specializations/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