# TAIMOOR ALAM

**Engineering Manager · Engineering Leader**

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## PROFILE

Dynamic engineering manager with a proven track record in building and leading high-performing teams through agile methodologies and blameless postmortems. Transitioning from hands-on development to a leadership-focused role, ensuring scalable and maintainable solutions.

- Mentored 10+ senior engineers, promoting 3 to lead positions, enhancing leadership pipeline
- Improved sprint velocity by 30% with SCRUM team of 4 engineers, optimizing agile processes
- Reduced production incidents by 35% through systematic testing, increasing system reliability
- Cut developer onboarding time from 6 to 3 months with DDD framework, accelerating team readiness
- Reduced external partner integration time by 50% with API contracts, streamlining operations
- Reduced query latency by 60% through data layer optimization, boosting performance

## CORE COMPETENCIES

**Technical Leadership:** Building and Leading Teams, Technical Strategy, Architecture Design

**People Management:** Cross-Functional Collaboration, Hiring & Interviewing, Stakeholder Management

**Cloud & Platform:** CI/CD, AWS

## PROFESSIONAL EXPERIENCE

### Seven.One Entertainment Group • Technical Lead (Addressable TV) | Munich, DE | 2020–Present

- Mentored 10+ senior engineers on architecture and cloud patterns, promoting 3 to lead positions, fostering leadership growth
- Bridged business and technical domains, identifying core metrics and leading their realization, aligning strategic objectives
- Established DDD framework as engineering standard, cutting developer onboarding time from 6 to 3 months, enhancing team efficiency
- Cultivated blameless postmortem culture transforming incident response from reactive to proactive, improving incident management
- Led engineering hiring by defining selection criteria and designing technical assessments, strengthening recruitment process
- Analyzed and communicated system risks transparently to business stakeholders for informed decision-making, ensuring alignment

**Skills:** Microservices, Mentoring, TypeScript, JavaScript, Python, AWS (Lambda, ECS, EventBridge, S3, CloudFront), Terraform, Serverless

### Samdock (Daypaio) • Lead Software Engineer | Munich, DE | 2019–2020

- Developed talent pipeline through hands-on apprenticeship resulting in successful career progression, nurturing future leaders
- Led SCRUM team of 4 engineers, improving sprint velocity by 30% through agile practice refinement, enhancing team performance
- Defined engineering standards for startup codebase, balancing speed with quality through testing discipline, ensuring code quality
- Facilitated cross-functional event storming workshops translating business requirements into technical domain model, bridging gaps
- CI/CD automation enabled daily releases vs previous hours-long deployment process, increasing deployment frequency
- Reduced external partner integration time by 50% through well-documented API contracts, enhancing integration efficiency

**Skills:** Mentoring, TypeScript, JavaScript, NestJS, EventStore, CQRS, Event Sourcing, Angular

### KI Labs • Intermediate Backend Engineer | Munich, DE | 2018–2019

- Implemented asynchronous messaging between microservices for scalable event processing, supporting distributed systems
- Reduced production incidents by 35% through systematic testing approach, enhancing system stability
- Reduced query latency by 60% through data layer optimization, improving data processing speed
- Reduced support requests by 40% through comprehensive API documentation, improving user experience
- Built Flask REST APIs over large-scale data pipeline using onion architecture with JWT authentication, securing data transactions
- Contributed to agile team dynamics with reliable delivery and quality focus, supporting team objectives

**Skills:** Microservices, Python, Flask, REST API, JWT, MongoDB, NoSQL, Onion Architecture

### Fortis (Research Project) • Backend Engineer | Munich, DE | 2018

- Built microservices backend in Node.js with well-defined service interfaces for research platform, ensuring service consistency
- Implemented RabbitMQ pub/sub messaging enabling asynchronous communication between microservices, supporting scalability
- Defined API standards with Swagger/OpenAPI documentation ensuring interface consistency across services, standardizing APIs
- SCRUM collaboration with research client demos and feedback integration, ensuring client satisfaction

**Skills:** Microservices, JavaScript, Node.js, SQL, RabbitMQ, Pub/Sub, Event-Driven Architecture, MongoDB

### OSRAM • Software Engineer (IoT) | Munich, DE | 2016–2018

- Enabled existing OSRAM installations to leverage new OpenAIS capabilities without hardware replacement, extending product lifecycle
- Created reference implementation of CoAP server that became team standard for new OpenAIS-related development, setting benchmarks
- Enabled third-party device integration into enterprise lighting system, expanding platform ecosystem and vendor flexibility
- Created comprehensive development and installation documentation that became team reference material, supporting knowledge sharing
- Built demonstration application used by OSRAM business units to showcase backend capabilities to enterprise clients and stakeholders, enhancing client engagement
- Enhanced Erbium CoAP implementation with OSCOAP security features enabling secure multicast communication in IoT lighting networks, ensuring secure communications

**Skills:** Python, C++, C, QML, Qt, CoAP, OSCOAP, UDP

### Clary Icon • Software Engineer | Islamabad, PK | 2014–2016

- Enabled compliance and quality review workflows through synchronized multi-party call playback with frame-accurate alignment, ensuring quality control
- Delivered client-critical call recording feature that secured continued project funding and contract renewal - Full-Stack: Built end-to-end video recording solution spanning WebRTC capture (Licode), REST API layer (Node.js), and media processing (FFmpeg), ensuring feature delivery
- Delivered features across Node.js backend, Qt C++ desktop, and C# WPF desktop platforms within unified video conferencing product, supporting product development
- Built self-service onboarding system that reduced support requests for new user setup by enabling guided self-enrollment - Full-Stack: Developed desktop tutorial application (C#/WPF) integrating text-to-speech, screen annotations, and step-by-step workflow guidance, enhancing user onboarding
- Reverse-engineered OpenPhone SIP client and extended functionality using Qt C++ widget framework for enhanced call management, supporting feature enhancement

- Direct client engagement for requirements, demos, and feedback integration, ensuring client alignment

**Skills:** JavaScript, Node.js, C++, C#, SQL, HTML, CSS, Qt (Widgets)

## EDUCATION & CERTIFICATIONS

- M.Sc. Computer Science — Technical University of Munich
- B.Sc. Computer Software Engineering — GIK Institute
- AWS Essentials
- ECS & Multi-Region LB
- Data Scientist's Toolbox
- R Programming

## LANGUAGES

English (C1), German (B2), Urdu (Native)