

ANFAL MUSHTAQ

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SUMMARY

Senior technology leader with 11+ years of experience scaling GenAI-powered systems. Proven record of reducing multimillion-dollar costs, building global teams, and launching AI products used by millions. Skilled at bridging strategy and execution.

SKILLS

- **Core Strengths:** AI/GenAI systems, Scalable Architecture, Product Strategy, Security & Compliance, Team Leadership
- **Technical Expertise:** Python, JavaScript, PHP, Postgres/MongoDB/MySQL/Redis, AWS/GCP/Azure/Digital Ocean

EXPERIENCE

Founder

Jan 2025 – Present

Pico Future

Vancouver, BC

- Partnered with early-stage founders to take products from 0 → 1, guiding strategy and scaling distributed teams across multiple timezones.
- Designed and launched an AI debugging agent for “vibe coders,” securing 100+ beta signups, driving paid pilot conversations, and validating a new category in AI-assisted development.
- Delivered a low-latency voice AI system for a SaaS provider, enabling real-time customer interactions and supporting revenue expansion opportunities.

Engineering Lead

Jun 2023 – Jan 2025

Durable

Vancouver, BC

- Reduced annual infrastructure costs by USD 375K (75%) through architecture & CDN optimizations, freeing budget for product innovation.
- Scaled AI services to support 100K+ small businesses with 99.99% uptime, directly underpinning revenue growth.
- Launched customer-facing AI agents that automated repetitive tasks such as SEO optimization, website improvements, and blog generation, expanding customer capabilities and boosting engagement.
- Introduced support automation practices that cut ticket volume by 40%, improving customer satisfaction and retention.
- Expanded engineering team from 4 → 11; instituted hiring processes, mentorship frameworks, and security programs including a bug bounty initiative.
- Partnered with the CEO on roadmap definition and execution, aligning technology strategy with business outcomes.

Senior → Principal Engineer

Apr 2019 – Jun 2023

Streamlabs @ Logitech

Vancouver, BC

- Directed GenAI R&D for new products for livestreamers.
- Pioneered new products adopted by 5M+ streamers, including Campaign Manager, Alert Box V2, widgets, and Logo Maker.
- Led the Streamlabs Identity initiative, unifying authentication for 5M+ users and strengthening platform security.
- Led core services team (6 engineers), ensuring global reliability, stability, and performance at scale.

- Rebuilt event alert system processing millions of real-time events/day and reduced backend latency by 65% through infra redesign.
- Rebuilt widget creation system in Vue.js, replacing legacy JQuery/iframes, accelerating feature development.
- Drove company-wide security upgrades and ran the bug bounty program.

Senior Software Engineer

Strategic Systems International

Dec 2016 – Apr 2019

Lahore, Pakistan

- Migrated 320M+ records to scalable systems, increasing performance and reliability.
- Developed real-time IoT applications and enterprise CMS platforms for global clients.
- Built campaign management system for a NYC startup, reducing campaign launch cycle from 1 week to 1 day and enabling rapid customer growth.

Founder & CTO

Aquila Labs & Pulse Inc

Oct 2014 – Sep 2016

Lahore, Pakistan

- Designed and launched an ML-based health assistant and medicine delivery platform, onboarding 500+ early users and validating a healthtech business model.
- Built an LMS and digital distribution platform for educators, expanding access to online education.
- Led development of Pakistan's first outcome-based education system under the Washington Accord, later adopted by multiple institutions.

EDUCATION

Bachelor of Software Engineering, GIKI (Top engineering university in Pakistan)

2010 - 2014

SELECTED HIGHLIGHTS

- Scaled AI infrastructure to handle 500B+ tokens/month across multiple organizations with 99.99% uptime.
- Cut multimillion-dollar infrastructure costs by 75%, freeing budget for new product innovation.
- Pioneered AI-assisted development tools for creators and engineers, validating new categories in GenAI adoption.