

Muhammad Haseeb

Principal Software Engineer

+92 309 402 2674 | muhammadhaseebtcf@gmail.com | Lahore, Pakistan

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer and Associate Team Lead with 3.5+ years of experience architecting and shipping scalable, cloud-native web applications. Proven track record leading cross-functional teams of 16+, driving full-stack AI/ML integrations, and delivering measurable performance gains — including a 96% reduction in page load time and elimination of 14–16 hours of weekly downtime on a production SaaS platform. Deep expertise in Python, FastAPI, Ruby on Rails, Next.js, and AWS infrastructure, with a strong focus on cost optimization, CI/CD, and engineering team growth. Equally effective as a hands-on engineer and a technical leader.

WORK EXPERIENCE

Associate Team Lead · WamoLabs — Lahore, Pakistan

Feb 2025 – Present

- Lead and mentor a team of 16 (11 engineers, 3 interns, 2 trainees), providing technical guidance, career coaching, and structured onboarding to accelerate ramp-up and maintain consistent engineering standards.
- Architect and co-build LingoPal.ai — an AI-powered speech-to-speech translation platform processing millions of data points daily, covering STT, TTS, speaker detection, emotion recognition, and real-time translation across multiple industries.
- Reduced AWS infrastructure costs significantly by profiling and optimizing GPU-intensive AI model workloads on g5 instances, containerizing services with Docker, migrating eligible workloads to cost-effective non-GPU instances, and leveraging reserved instances for predictable capacity.
- Design and maintain scalable cloud infrastructure on AWS (ECR, EC2, S3, SQS, CloudFront), balancing performance, security, and cost efficiency across multiple service layers.
- Integrate Prefect workflow orchestration into the AI pipeline for reliable, reproducible data processing and model execution at scale.
- Build production-grade full-stack features using Next.js, TypeScript, FastAPI, and Python, seamlessly bridging AI/ML model outputs with real-time user-facing interfaces.
- Drive CI/CD best practices using Docker, Nginx, and GitHub Actions, implementing immutable deployment strategies that minimize downtime and deployment risk.
- Manage multiple simultaneous project streams, translating stakeholder requirements into prioritized engineering plans and removing technical blockers to ensure on-time delivery.
- Champion engineering quality through structured code reviews, technical workshops, a 24-week junior engineer grooming roadmap, and team-wide knowledge-sharing initiatives.

Senior Software Engineer · DevsInc — Lahore, Pakistan

Jul 2022 – Feb 2025

- Reduced public profile page load time by 96% — from 53 seconds to under 2 seconds — through targeted backend optimization, query restructuring, and front-end rendering improvements on Great Recruiters (greatrecruiters.com).
- Eliminated 14–16 hours of weekly production downtime to near zero by diagnosing root causes in the deployment pipeline and implementing stability improvements across the Ruby on Rails stack.
- Led a team of 4 developers to deliver multiple web applications on schedule, managing the full SDLC from design and development through testing and deployment using Agile and CI/CD workflows.
- Built and optimized web platforms using Ruby on Rails, MySQL, and PostgreSQL, implementing features including task scheduling, middleware, real-time updates, and ATS integrations.
- Owned production releases and feature enhancements for Great Recruiters — an experience management SaaS for recruitment — integrating Stripe, Sentry, Scout APM, and Cloudflare.

- Improved application performance and user experience by integrating AJAX, Livewire, and other modern front-end techniques, and optimizing critical backend processes.
- Managed scalable deployments on AWS and Heroku; established coding standards, conducted code reviews, and mentored junior developers to foster a culture of quality and security.

KEY PROJECTS

[LingoPal.ai](#)

Tech: Next.js, TypeScript, Python, FastAPI, AWS (ECR, EC2, S3, SQS, CloudFront), Docker, Nginx, Prefect

- Played a lead engineering role (architect-level) at a startup: designed and built the full speech-to-speech pipeline end-to-end, from STT/TTS model integration to real-time translation and speaker emotion detection.
- Containerized the entire application stack with Docker and Nginx; integrated Prefect for workflow orchestration; reduced AWS GPU compute costs by optimizing model serving and right-sizing instances.

[Great Recruiters](#)

Tech: Ruby on Rails, Next.js, Stripe, Sentry, Scout APM, Heroku, Cloudflare

- Served as senior engineer responsible for all production releases and feature enhancements for a recruitment experience management SaaS platform.
- Delivered the flagship 96% page load improvement (53s → <2s) and fully eliminated recurring 14–16 hours/week of production downtime, directly improving platform reliability and customer retention.

TECHNICAL SKILLS

Languages	Python, Ruby, JavaScript, TypeScript, SQL
Frameworks	FastAPI, Django, Ruby on Rails, React, Next.js
AI / ML	LLM integration, STT/TTS pipelines, ElevenLabs, AssemblyAI, Prefect, Gemini
Cloud & Infra	AWS (EC2, ECR, S3, SQS, CloudFront), Docker, Nginx, GitHub Actions, Heroku
Databases	PostgreSQL, MySQL
APIs & Tools	Stripe, GraphQL, AJAX, Sentry, Scout APM, Cloudflare, Jira, Shortcut
Practices	Agile / Scrum, CI/CD, Code Review, SDLC, System Design, Technical Mentorship

EDUCATION

Bachelor of Science in Information Technology

2018 – 2022

University of Punjab — Lahore, Pakistan