Muhammad Ali

+92 300 2081994 • aliiqbal208@gmail.com • https://www.linkedin.com/in/aliiqbal208/

Senior Software Engineer with expertise in architecting **scalable systems** and **AI-driven solutions**. Skilled in leading teams to deliver **production ready platforms**, boosting efficiency and user engagement. Proficient in **modern web frameworks**, **cloud platforms** (AWS/GCP), and **high-performance systems**. Passionate about driving innovation and **solving complex challenges** to deliver impactful, user centric systems.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Node.js, Python, Golang
- **Front-end Frameworks:** React, Next.js, Angular
- **Back-end Frameworks:** Express, Fastify, Go Fiber, Flask, FastAPI
- **AI & Data**: LLM integration (OpenAI, Hugging Face), RAG pipelines, embeddings, chatbots, semantic search, speech processing, automation workflows
- **Cloud & Infra**: AWS (S3, Lambda, DynamoDB, etc.), GCP, Docker, Redis, GitHub Actions
- **Databases**: MongoDB, PostgreSQL (skilled in ORMs and native drivers)
- **Architecture**: Scalable systems, Microservices, Serverless, Event-driven & real-time systems (WebSockets, Pub/Sub)

WORK EXPERIENCE

Arthur - https://www.arthur.digital/   **2020 - Present**
Lead Full Stack Developer

- Spearheaded team of engineers to build **scalable systems**, delivering **20+ features** on time, boosting deployment **speed by 50%**.
- Architected **cloud native apps** on **AWS/GCP**, enabling **zero downtime migrations**, cutting vendor lock-in by **70%**
- **Deployed LLMs and RAG pipelines**, reducing latency by **35%** and improving query accuracy by **40%** for 100K+ users.
- **Built real time speech pipelines** and chatbots for 5K concurrent users at **<200ms latency**, enhancing engagement by 55%.
- Engineered **high throughput APIs** for **1M+ requests/hour**, ensuring **99.99% uptime** during 10x traffic spikes.
- Developed **AI meeting analytics**, cutting note taking time by **60%** and boosting team productivity by **45%**.
- Optimized **DB queries and logic**, slashing **system latency by 60%** and **load times by 45%** for **30%** faster UX.

TazteqPk   **2018 – 2020**
Software Engineer

- Pioneered ERP product as first hire, building **scalable UI** with **automated Inventory/HRM/Reporting/Sales** interfaces, boosting team efficiency by **40%**.
- Streamlined onboarding by **30%** with a responsive ERP interface, cutting manual effort by **50%**.

Whitehats   **2016 – 2018**
Web Developer

- Built **scalable**, **SEO optimized** UI with **multi tenant flows** and **real time interactions**, boosting visibility by **30%** and enabling **15+** features.
- Enhanced **front end speed** for **instant load times**, lifting engagement by **35%** and cutting onboarding by **25%**.

EDUCATION   **2011 – 2015**

BS in Computer Science

University of Lahore