

MUHAMMAD AHMAD

Full Stack Engineer | Team Lead | MERN Specialist

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SUMMARY

Dynamic Senior Full-Stack & Team Lead Engineer with over 5 years of experience in developing scalable web applications and leading engineering teams. Expert in the MERN stack and modern frameworks, with a proven track record in architecting SaaS solutions and AI-driven applications. Strong communicator adept at translating client requirements into technical solutions, while ensuring high-quality, maintainable, and performance-driven software delivery."

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python.
- **Frontend Development:** React.js, Next.js, Tailwind CSS, shadcn/ui, Radix UI, Styled Components, Material UI, SCSS, NextAuth, Better Auth, Next Internationalization, NextIntel.
- **Backend & API:** Nodejs, Expressjs, Bun, FastAPI, tRPC, REST APIs, GraphQL, Socket.IO.
- **Databases & ORMs:** MongoDB, PostgreSQL, SQL, Prisma, Drizzle, Sequelize, Mongoose, Neon, MongoDB Atlas, Chroma, Pinecone, Supabase, Firebase.
- **Cloud Platforms & Services:** AWS, Docker, Heroku, DigitalOcean, Vercel, Netlify, CI/CD Pipelines.
- **CMS & E-Commerce:** Strapi, Sanity, Payload CMS, Story Block, Shopify.
- **AI, Chatbots & Emerging Tech:** LangChain, LangGraph, OpenAI API, RetellAI, AgentKit, N8N.
- **Architecture & Code Management:** Turborepo, Monorepo, Microservices, Scalable Architecture.
- **Auth & Integrations:** OAuth, NextAuth, Better Auth, Authentication & Authorization Systems.
- **Collaboration & Leadership:** Agile/Scrum, Team Leadership, Client Communication, Requirement Analysis, Task Delegation, Solution Architecture.

PROFESSIONAL EXPERIENCE

Speecto Solutions — Faisalabad, Pakistan

Senior Full Stack & Team Lead Engineer | Mar 2022 – Present (3 yrs 8 mos)

- Lead and manage a cross-functional team, mentoring developers from intern to senior level.
- Communicate directly with international clients to gather requirements and translate them into scalable technical solutions, managing tasks through **Jira**.
- Architect and deliver **full-stack web applications, SaaS platforms, and dashboards** using the **MERN stack (MongoDB, Express.js, React, Node.js)**.
- Personally developed **AI-driven automation systems**, including:
 - A **voice agent platform** using **Retell AI + React** that automates appointment scheduling and lead generation.
 - A **LangChain- and LangGraph-based diagnostic chatbot** capable of multi-state reasoning and vector-based medical search using Python.
 - An **AI-powered education app** that processes documents into learning modules and teaches interactively.

- Oversaw **DevOps and cloud infrastructure** across **AWS, DigitalOcean, Vercel, and Netlify** for deployment and scalability.
- Maintain high standards of **code quality, system performance, and architectural integrity**, handling advanced backend logic, AI model integration, and data pipelines personally when required.

Fulfillment Technologies — Faisalabad, Pakistan

Front-End Developer | Jan 2021 – Mar 2022 (1 yr 3 mos)

- Developed and maintained responsive web applications using **React.js, HTML, CSS, and Tailwind CSS**.
- Implemented design systems using **Styled Components** and **Material UI** to ensure reusability and scalability.
- Collaborated with backend teams for **API integration** and performance optimization.
- Contributed to multiple **dashboards and landing pages**, enhancing UI/UX and frontend stability.

Oriefy — Faisalabad, Pakistan

Python & Front-End Developer (Intern → Junior Developer) | Jan 2020 – Dec 2020 (1 yr)

- **Internship Phase (Jan – May 2020):**
 - Learned core web technologies: **Python, HTML, CSS, JavaScript**.
 - Built a **Snake Game in Python (Pygame)** to strengthen programming logic.
 - Solved algorithmic challenges on **HackerRank**, achieving a **Golden Badge** for problem-solving.
- **Junior Developer Phase (May – Dec 2020):**
 - Transitioned to **front-end development**, working with **HTML, CSS, JavaScript, and basic React**.
 - Contributed to small-scale web applications and UI prototypes under mentorship.
 - Practiced clean code principles, version control, and cross-browser compatibility.

EDUCATION

Bachelor of Science in Computer Science (BSCS) — **NCBA&E, Lahore**

Graduated: 2020

CERTIFICATIONS

Artificial Intelligence Certification — *PIAIC (Presidential Initiative for Artificial Intelligence & Computing)*

Python Core & JavaScript Fundamentals — *SoloLearn*