

MUHAMMAD AWAIS

Full-Stack Software Engineer | MERN · Next.js · FastAPI · AWS | AI-Powered SaaS
Arifwala, Punjab, Pakistan | Open to Remote (US / EU / UK / Global)
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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 6+ years of experience building scalable, high-performance web applications and AI-powered SaaS platforms across full-time, agency, and freelance roles. Specialized in the MERN stack, Next.js, Node.js, and Python/FastAPI, with strong expertise in serverless cloud architecture (AWS Lambda), CI/CD automation, and integrating AI features into production products. Proven track record of taking platforms from concept to launch — including an AI video platform serving 18,000+ users and an AI legal-tech product — while delivering 90+ client projects with a 5-star freelance rating. Focused on clean, maintainable code, measurable performance gains, and shipping features that reach real users.

CORE SKILLS

Languages: JavaScript, TypeScript, Python, HTML5, CSS3, SQL

Frontend: React.js, Next.js, React Native, Redux, Tailwind CSS, Responsive Design, SEO Optimization

Backend: Node.js, Express.js, FastAPI (Python), REST APIs, GraphQL, Microservices, Serverless

Databases & ORM: PostgreSQL, MongoDB, MySQL, Prisma ORM, Supabase, Firebase (FCM)

Cloud & DevOps: AWS, AWS Lambda, CI/CD Pipelines, Docker, Git, GitHub Actions, Zero-Downtime Deployment

AI & Automation: AI Integration, AI-Powered SaaS Development, LLM/Chatbot Integration, Intelligent Automation

Practices: System Architecture, Agile/Scrum, Software Construction, Application Engineering, Project Management, Performance Optimization

PROFESSIONAL EXPERIENCE

Pixelpk Technologies

Nov 2022 – Present

Software Engineer (Full-Time) — Lahore, Pakistan (On-site)

- Led full-stack development of AIVideosTube, an AI video platform serving 18,000+ users, owning architecture end-to-end from the Next.js frontend to a Node.js, FastAPI, and AWS Lambda backend.
- Cut API response time by 80% by introducing caching and optimizing database queries, improving user retention and overall platform responsiveness.
- Built CI/CD pipelines that reduced deployment time from 10 minutes to 1 minute, eliminating manual release errors and enabling zero-downtime deployments.
- Designed and integrated AI features (AI video generation, AI Prompt Battles, Thread Generator, and a viral effects generator) adopted by 10% of active users.
- Implemented serverless backend services on AWS Lambda, reducing infrastructure costs and improving scalability for production workloads.
- Developed high-performance RESTful APIs with FastAPI (Python) for data-intensive backend services.

Fiverr

Sep 2019 – Jan 2025

Full-Stack Developer (Freelance)

- Delivered 90+ full-stack projects for international clients, maintaining a 5-star rating across 54+ reviews.
- Shipped Shoppresso Club, a loyalty app built with React Native, React.js, Node.js, MongoDB, and Firebase Cloud Messaging (FCM), serving a large and growing customer base.
- Architected AWS cloud infrastructure and CI/CD for 20+ client products with zero-downtime deployments.
- Built e-commerce platforms, dashboards, and SaaS tools using the MERN stack, with cloud-native solutions on Supabase, Firebase, and AWS.
- Delivered SEO-optimized, responsive Next.js frontends with measurable improvements in search rankings and page load speed, managing the full lifecycle from requirements to deployment.

Hive Technologies

Mar 2020 – Dec 2024

MERN Stack Developer (Part-Time) — Faisalabad, Pakistan (On-site)

- Built and maintained scalable web applications using React.js, Node.js, Express, and MongoDB within an agile team environment.

- Collaborated with cross-functional teams to translate business requirements into robust technical solutions.
- Optimized application performance through code refactoring, database indexing, and caching strategies.

KEY PROJECTS

AIVideosTube — aivideostube.com

AI-Powered Video Platform — MERN, Next.js, Prisma, PostgreSQL, AWS Lambda, FastAPI, CI/CD

- Built a full-stack, YouTube-style platform exclusively for AI-generated video content, supporting AI video generation, streaming, and discovery for 18,000+ users.
- Developed an integrated AI Studio for video editing and asset management, plus a Prompt Battles feature for community-driven, ranked AI video competitions.
- Created a Business Center module enabling users to build, manage, and run advertising campaigns with analytics dashboards and monetization.
- Engineered serverless compute on AWS Lambda with automated CI/CD pipelines for continuous deployment and high availability.

PakistanLawBot — pakistanlawbot.com

AI Legal Assistant & Lawyer Marketplace — MERN, Next.js, Prisma, MongoDB, AWS Lambda, FastAPI, CI/CD

- Built an AI-powered legal research platform letting users search and navigate Pakistani legislation through an intelligent chatbot interface.
- Developed a lawyer marketplace with profile management, search filters, and appointment booking for client-lawyer matching.
- Architected the backend with Next.js and FastAPI, using Prisma ORM with MongoDB for flexible document-based data persistence.
- Deployed serverless functions on AWS Lambda with CI/CD pipelines for automated testing and zero-downtime releases.