
Muhammad Ali Yasin Software Developer

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Professional Summary

Highly skilled **Full Stack Developer** with expertise in **React.js, Next.js, Node.js, and Express.js**. Experienced in building clean, efficient codebases and intuitive UIs across projects ranging from **AI Integrated apps** to **AI-driven automation systems** and **commercial e-commerce platforms**. Proficient in **MongoDB** and **PostgreSQL Vector DBs**, and skilled in creating **automated AI workflows** using **Make (Integromat)** and **n8n** to streamline complex business processes. Focused on developing **reliable, scalable, and performance-optimized** solutions.

Technical Proficiency

Languages: JavaScript, TypeScript, Python

AI Tools: n8n, make (Integromat), Gen AI APIs, RAG integrations

Frontend Technologies: React.js, Next.js, TailwindCSS

Backend Technologies: Node.js, Nest.js, Express.js

Databases: PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, Redux, Postman, VS Code

Key Achievements

- Created automated AI workflows with Make and n8n, integrating APIs and streamlining data pipelines for business and research applications.
- Built a full stack AI document analyzer that has user authentication and secure storage of old chats for each user, all chats have RAG context for AI model, platform supports video, audio and all text formats.
- Developed a secure and scalable e-commerce website with modern tech stack.
- Designed and launched a visually appealing freelance portfolio site with animated UI for enhanced engagement.
- Built a cross-platform Tauri desktop app for DNA, RNA, and protein data analysis including 3D protein visualization.

Professional Experience

Triva Global | Internship

AI Workflow Automation Intern | September 2025 – November 2025

- Designed and deployed **AI-powered workflow automations** using **Make (Integromat)** and n8n to optimize internal and client processes.
 - Integrated APIs, webhooks, and external data sources into automated pipelines for data synchronization and task management.
 - Collaborated with developers to connect AI models and automation tools for business intelligence and process improvement.
 - Gained hands-on experience in co-code automation platforms, data routing, and scalable automation system design.
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Freelancer | Pakistan

FullStack Software Developer | July 2023 - Present

- Developed an e-commerce platform with complete order management and secure authentication
- Designed and implemented a visually rich portfolio website for freelancers.
- Built a healthcare hospital management system.
- Created a Tauri-based desktop application to analyze DNA/RNA/protein data and visualize 3D protein structures.

Projects

Final Year Project | UAF, Pakistan

DataAnalyst | Sep 2024 - June 2025

- Compared Ant Colony Optimization (ACO) and Particle Swarm Optimization (PSO) algorithms for medical feature selection.
- Used real-world datasets (breast cancer and heart disease) to extract insights.
- Designed for application in personalized medicine and bioinformatics research.

Core Competencies

Web & Mobile App Development | API Design & Integration | Scalable System Architecture | AI Workflow automation (Make, n8n) | Performance Optimization | Database Management | UI/UX Best Practices | Git | GitHub | GitLab | Vector Dbs | RAG integration | AI chat bots | AI voice bots |

Education

Bachelor of Science in Bioinformatics, University of Agriculture, Pakistan (2021 – 2025)