

Asad Arif

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EDUCATION

National University of Computer and Emerging Sciences (FAST)

Bachelor of Science in Computer Science

Karachi, Pakistan

Aug. 2022 - Present

EXPERIENCE

Automation & Full Stack Engineer

Sep. 2025 - Present

MarkCoders

Onsite

- Developing RAG-based AI pipelines and full-stack features using n8n to automate complex data workflows, enabling data-driven decision-making and operational efficiency.
- Architected and implemented integrations for GoHighLevel (GHL), Klaviyo email marketing, Airtable, Google Apps Script, Twilio and Webflow, optimizing workflows across multiple platforms for CRM, marketing automation, and project management.
- Migrated entire legacy codebases to n8n, streamlining automation processes and improving system maintainability across multiple platforms while developing custom backend REST APIs to integrate external systems.
- Architecting custom API integrations and vector database connections to synchronize multi-platform business data.

Software Engineering Intern

Jun. 2025 - Sep. 2025

MarkCoders

Onsite

- Engineered robust backend systems using Node.js and MongoDB for client websites, ensuring scalable and secure architectures.
- Implemented CRUD operations for dynamic data management, supporting both simple and complex use cases.
- Integrated JWT-based authentication for secure user login and role-based access control, ensuring data privacy and security.
- Designed and developed RESTful APIs to facilitate seamless interaction between frontend and backend systems.

PROJECTS

Zendesk Marketing | n8n, Zendesk API, MongoDB, Docker

2025 - Present

- Real estate agent management system with automated Zendesk synchronization via hourly cron jobs, featuring JWT authentication and RESTful APIs for agent CRUD operations.

Trend Vision | n8n, Trend Micro API, Zendesk API, NIST API, MongoDB

- Security automation platform integrating Trend Micro Vision One with Zendesk to automatically detect vulnerable devices, enrich CVE information from NIST API, and generate support tickets for remediation workflows.

BigCommerce-Klaviyo Bridge | n8n, BigCommerce, Klaviyo, Google Sheets API, AWS

- Automated the end-to-end customer journey from form submission to purchase, integrating BigCommerce with Klaviyo for seamless coupon assignments, dynamic email flows, behavior-triggered reminder emails, and purchase tracking, with built-in error handling for edge cases and user segmentation for targeted marketing.

Slack Agent | n8n, OpenAI API, Gemini API, Slack API, Google APIs, Trello API

- Comprehensive Slack AI assistant utilizing RAG-based retrieval and MCP architecture for runtime tool orchestration. Integrates OpenAI for core NLP tasks with Gemini fallback, automating Trello card workflows, Gmail-based email composition, and Google Workspace document management. Features include interactive Slack UI (buttons/blocks), automated Namaz reminders for active users, with built-in error handling and human oversight for email verification. All interactions occur through natural, human-like text commands.

TECHNICAL SKILLS

Languages/Frameworks: JavaScript (ES6+), C++, Node.js, MERN Stack

Tools & DevOps: Docker, Git, Postman, Vercel, n8n, bubble, CI/CD, Agile/Scrum

Databases: MongoDB, PostgreSQL, MySQL, Firebase, Supabase