

Desalegn Mamo

AI & Automation Engineer | QA Engineer | No-code & Low-code Specialist

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Professional Summary

Results-driven AI & Automation Engineer with hands-on experience designing and deploying intelligent automation solutions for EU, US, and remote-first environments. Strong background in code-based, no-code, and low-code systems, with proven ability to collaborate across distributed teams and deliver reliable, scalable automation products. Experienced in AI agents, workflow orchestration, QA automation, and cloud-based deployments. Passionate about building production-ready solutions that improve efficiency, quality, and business outcomes across global organizations.

Core Competencies

- AI Development & Integration
- Workflow Automation (Code / No-code / Low-code)
- Intelligent Agents & AI Orchestration
- QA Automation & Test Engineering
- API Development & Integration
- System Support & Technical Troubleshooting
- Web Development (Frontend + Backend)
- Prompt Engineering & LLM Automation
- Automation Pipeline Optimization

Technical Skills

AI & Machine Learning: Python, TensorFlow, PyTorch, Scikit-learn, LangChain, LlamaIndex, OpenAI API, Gemini API, RAG Systems, Vector Databases (Pinecone, Weaviate)

Automation (No-code / Low-code): n8n, Make.com, Zapier, Power Automate, Airtable Automations, Retool, Webflow Logic, Bubble.io, IFTTT

Automation (Coding-based): Python (FastAPI, Flask), Node.js, JavaScript, TypeScript, Selenium, Playwright, Puppeteer, REST APIs, Webhooks

Agent Frameworks: MCP, LangGraph, CrewAI, AutoGen

DevOps & Cloud: Docker, GitHub Actions, GCP, AWS, Railway, Render

Databases: PostgreSQL, MySQL, MongoDB, SQLite, Firebase, Supabase, Redis

QA Tools: Selenium, Playwright, Postman, JMeter, Manual & Automated Testing, UAT Design

Web: React, Next.js, Express.js, HTML, CSS, Tailwind

Other: Figma, Jira, Trello, Notion, Slack, VS Code, Git

Professional Experience

Quality Assurance Engineer — StartupAgile.ai (Remote) | 2024 – Present

- Lead QA processes for AI-driven automation products used by international clients.
- Execute manual and automated test cases aligned with global QA standards.
- Implement scalable workflow automation using n8n and Python.

- Build and validate smart workflows integrated with AI agents and APIs.
- Design UATs and ensure stability and reliability of automation pipelines.

QA & System Support — Perago Information Systems | 2023 – 2024

- Performed QA testing for enterprise platforms supporting international users.
- Provided system support and technical troubleshooting in production environments.
- Built internal workflow automations to improve operational efficiency.
- Assisted enterprise clients and improved platform reliability and uptime.

Projects & Achievements

- Designed and deployed production-grade automation workflows integrating AI agents, APIs, and enterprise systems.
- Built intelligent customer support and operations bots using OpenAI, RAG, and vector databases.
- Implemented end-to-end QA automation pipelines using Selenium and Playwright.
- Developed internal no-code and low-code tools for distributed teams.
- Built real-time, cloud-deployed workflow automation pipelines using n8n and Python.

Education

BSc in Mechanical Engineering — Addis Ababa Science and Technology University (2022)
Diploma in IT — Alison Online Courses (2023)

Certifications

- AI & Machine Learning Foundations
- Ethical Hacking (Beginner Level)
- IT Support & Systems Administration
- QA Testing & Automation Tools