

# Adrin N Makombe

## AI Automation Engineer | SaaS & Full-Stack Developer

React · Next.js · React Native · Flutter · AI Agents · Workflow Automation · API Systems

📍 Cape Town, South Africa · Remote

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📞 WhatsApp: +27 79 407 5794

🕒 Availability: Contract / Full-time

### PROFESSIONAL SUMMARY

AI Automation and Full-Stack SaaS Developer focused on building intelligent automation systems, scalable SaaS products, and cross-platform web and mobile applications. Experienced in designing AI-powered workflows, API integrations, and production-ready platforms that streamline operations, reduce repetitive manual work, and help startups launch faster. Operates under the personal brand **amakodev**, delivering freelance product development with strengths across React, Next.js, React Native, Flutter, Node.js, Python, automation pipelines, and system architecture.

- Build automation systems that reduce repetitive work and improve operational flow.
- Develop SaaS products and cross-platform applications for web and mobile delivery.
- Design API-driven systems and AI-powered workflows that support real business use cases.
- Deliver production-ready software from architecture and backend logic to polished user interfaces.

### CORE SPECIALIZATIONS

AI Automation Systems

Workflow Automation

AI Agents

SaaS Development

React

Next.js

React Native

Flutter

Node.js

Python

REST APIs

API Integrations

System Architecture

Cross-Platform Development

Backend Services

Expanded across full-stack product builds, API-connected systems, automation pipelines, and practical MVP-to-production delivery for startup and freelance environments.

### TECHNICAL SKILLS

#### Frontend Development

React, Next.js, React Native, Flutter, JavaScript, TypeScript, HTML, CSS

#### Backend Development

Node.js, Python, REST APIs, backend services, database design

## AI & Automation

AI agents, workflow automation, LLM API integrations, automation pipelines, AI-powered tools

## Infrastructure & Integration

API integrations, cloud platforms, SaaS architecture, cross-platform delivery, system architecture

## PROFESSIONAL EXPERIENCE

### Freelance AI Automation & SaaS Developer

Remote · Present

#### Personal Development Brand: amakodev

Design and build AI automation systems, SaaS platforms, and cross-platform applications for startups and digital businesses.

- Designed automation pipelines integrating multiple SaaS platforms, reducing repetitive manual tasks and streamlining digital workflows for client operations.
- Built cross-platform web and mobile applications using React, React Native, and Flutter, helping startups launch production-ready products faster with a modern shared codebase.
- Developed scalable backend services and REST APIs with Node.js and Python to support SaaS products, automation systems, and integrated digital services.
- Architected API-driven systems that connected business tools across workflows, improving operational consistency and reducing fragmented manual handoffs.
- Delivered end-to-end product development from system architecture and backend infrastructure to polished frontend interfaces and deployment-ready releases.

**Tech Stack:** React · React Native · Flutter · Node.js · Python · REST APIs · Workflow Automation · API Integrations

**Client feedback themes:** Understands the business problem, communicates clearly, takes ownership, and delivers reliable solutions.

### Software Developer

Contract Role

#### SoftDevZA – Software Development Agency

- Built and maintained web applications for client platforms and internal products using modern JavaScript development practices.
- Implemented API integrations that enabled smoother data exchange between software services and reduced manual processing across connected systems.
- Contributed to architecture decisions for scalable SaaS applications, improving maintainability and supporting cleaner system growth.

**Tech Stack:** JavaScript · React · Node.js · REST APIs · Web Applications

### Systems Developer

Project Role

#### Zyntrix Solutions – Digital Systems & Technology Services

- Designed and built integrated software systems combining web platforms, backend services, and automation tools to support business operations.

- Developed custom digital solutions that streamlined operational workflows and improved how business processes moved between systems.
- Implemented backend services and APIs that enabled software platforms to communicate more reliably across multiple tools and services.

**Tech Stack:** Node.js · Web Systems · APIs · Backend Services · Automation Tools

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## Developer

Project Role

### USCreativz – Digital Marketing & Technology Agency

- Built web-based tools that supported marketing teams in managing digital campaigns, internal workflows, and online delivery processes.
- Developed automation tools that improved efficiency for digital operations teams handling recurring online tasks.
- Contributed features that helped streamline marketing operations and improve delivery consistency for client-facing work.

**Tech Stack:** JavaScript · Web Applications · Automation Systems · APIs

### FLAGSHIP PROJECTS

### ViralFlow Ink – AI Content Operations SaaS

Built to solve fragmented creator and marketing workflows by combining scheduling, prompt operations, and automation-ready content management in one product experience.

- Designed an AI-assisted workflow SaaS that centralizes content planning, scheduling, and execution for faster, more repeatable campaign operations.
- Engineered a polished React + TypeScript frontend with reusable workflow patterns, structured scheduling views, and product-grade UX optimized for quick team coordination.
- Architected integration-heavy backend and API proxy flows that connect operational workflows to Google Sheets and external services, reducing tool-switching and manual handoffs.
- Owned delivery end to end across product design, frontend engineering, systems architecture, deployment setup, and automation-focused feature design.

**Tech Stack:** React 18 · TypeScript · Vite · Tailwind · Firebase · Node.js · Google Apps Script · Google Sheets API · Vercel

**Skills:** AI workflow design, SaaS product architecture, API integrations, frontend system design, end-to-end product ownership.

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### MiClass – Personalized AI Tutor App

Built to deliver a more guided and personalized learning experience through mobile-first tutoring flows, secure user data handling, and AI-enabled study support.

- Developed a React Native / Expo application with authentication, secure local storage, Firebase-backed data flows, and structured document handling for learner-facing experiences.
- Integrated AI endpoint configuration and PDF/document processing capabilities to support personalized tutoring workflows and smarter in-app learning assistance.

- Implemented version-gating and configuration controls that improved rollout safety and product operations discipline in a real mobile application environment.
- Demonstrates strength across mobile architecture, secure integration handling, API consumption, and shipping AI-enabled educational products beyond simple app prototypes.

**Tech Stack:** Expo · React Native · Firebase Auth · Firebase Realtime DB · Expo SecureStore · Axios · Document Picker · EAS Build

**Skills:** Mobile product delivery, AI-enabled edtech, secure storage, backend integration, production-minded app architecture.

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## JusAesthetic — Realtime Cross-Platform Social App

Built as a realtime social experience with authenticated user journeys, live profile-aware state, and mobile device integrations that required resilient app structure.

- Built a TypeScript Expo Router application with authenticated route gating, profile-aware flows, and realtime user-state updates via Firestore subscriptions.
- Integrated social/profile data patterns and device capabilities including camera, QR scanning, and authentication-linked user experiences.
- Structured routing and state logic to keep UI behaviour consistent across changing auth states, improving continuity in a realtime mobile environment.
- Demonstrates practical knowledge of realtime systems, cloud-backed state, mobile UX continuity, and scalable cross-platform app engineering.

**Tech Stack:** Expo · TypeScript · Expo Router · React Native · Firebase · Firestore · Google Sign-In · Camera/QR · Jest

**Skills:** Realtime app engineering, state architecture, cloud integrations, cross-platform development, mobile UX systems.

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## Grind City Empire — Browser-Based Web Game

Built as an interactive web game to demonstrate richer product engineering, progression-system design, and complex frontend state management beyond standard CRUD apps.

- Developed a browser-based game with multiple screens, persisted state, upgrade and economy mechanics, and progression logic to support deeper user interaction loops.
- Used modular stores and structured state management to handle more complex gameplay behaviour, decision flows, and reusable front-end architecture.
- Included testing configuration and modular screen design, reinforcing maintainability and engineering discipline in a richer interactive product.
- Demonstrates systems thinking, logic design, frontend state architecture, and the ability to build engaging software experiences beyond business dashboards.

**Tech Stack:** React · TypeScript · Vite · Tailwind · Zustand Persist · React Query · Framer Motion · Vitest

**Skills:** Interactive product engineering, state-heavy frontend systems, progression logic, modular architecture, testing discipline.

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## ScalpGoat — Algorithmic Trading System Experiment

Built as a rules-driven trading automation experiment to demonstrate analytical thinking, modular signal processing, and disciplined risk-aware system design.

- Developed a MetaTrader 5 expert advisor with modular components for indicators, analysis, market condition scoring, and execution constraints.
- Combined multi-timeframe signal logic, support and resistance analysis, and risk-control concepts into a structured automated decision system.
- Separated analytical logic, conditions, and trade behaviour into modular units for cleaner maintainability and easier strategy iteration.
- Demonstrates strong problem decomposition, event-driven reasoning, and comfort building algorithmic systems outside traditional web and mobile stacks.

**Tech Stack:** MQL5 · MetaTrader 5 · Algorithmic Strategy Logic · Event-Driven Rules · Risk Constraints

**Skills:** Analytical systems design, automation logic, rule-based architectures, event-driven programming, technical experimentation.

## EDUCATION

### Bachelor of Science in Information Systems

2021 – 2023

#### Richfield Graduate Institution

Built a foundation in information systems, programming, web technology, databases, systems analysis, and digital business problem-solving.

- Studied core areas aligned with software and systems work, including programming, web technology, information systems, and database-driven application thinking.
- Strengthened technical perspective through coursework associated with business systems, data management, and practical IT problem-solving.
- Applied academic knowledge through freelance development, automation experimentation, and product-building outside formal coursework.

## CERTIFICATIONS & LEARNING

### Alison Diplomas & Professional Development

- Diploma in Software Project Management
- Advanced Diploma in Modern Application Development
- Diploma in Cyber Security
- Diploma in Python Programming
- Diploma in Machine Learning with Python
- Diploma in Applied Generative AI

**Focus:** Continuous self-directed learning across software project delivery, modern application development, cybersecurity, Python engineering, machine learning, and applied generative AI.

## PROFESSIONAL PROFILES

**LinkedIn:** [linkedin.com/in/amakodevz](https://www.linkedin.com/in/amakodevz)

**GitHub:** [github.com/amakodev](https://github.com/amakodev)

**Portfolio:** [amsoftwarezw.space](https://amsoftwarezw.space)

**Upwork:**

[upwork.com/freelancers/~012553b7bf3e196c60](https://www.upwork.com/freelancers/~012553b7bf3e196c60)

## ADDITIONAL INFORMATION

### **Work Ethic**

Known for taking ownership of projects, working with clarity, and delivering complete solutions rather than partial implementations.

### **Learning Mindset**

Continuously develops practical skills in AI automation, SaaS architecture, and modern full-stack product delivery.

### **Lifestyle & Personal Interests**

Maintain an active lifestyle through gym training, football, martial arts, hiking, and reading—habits that reinforce discipline, consistency, resilience, and focus.

### **Collaboration Style**

Comfortable working with founders, startups, and product teams to turn early ideas into practical software systems with clear execution.