# ADEWALE ADEOGUN

**SOFTWARE ENGINEER | PYTHON, JAVASCRIPT & .NET | BACKEND, APIs & AI AUTOMATION**

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LinkedIn | GitHub | Portfolio

## PROFESSIONAL SUMMARY

- Software Engineer currently in the fifth year of professional experience delivering production systems across healthcare, energy and enterprise operations, spanning backend/API integration, data processing, web interfaces and intelligent automation.
- Core hands-on stack includes Python, JavaScript, C#, VB.NET and SQL, with backend/API experience using FastAPI, ASP.NET, Entity Framework, REST/HTTP APIs, JSON and SQLite, alongside senior-level delivery with UiPath and enterprise automation platforms.
- Known for translating complex workflows into reliable, maintainable software with measurable outcomes. Applies agentic AI and AI-assisted development pragmatically to analysis, coding, debugging, integration and workflow orchestration while preserving testing, security and operational control.

## TECHNICAL EXPERTISE

**Core Languages:** Python, JavaScript, C#, VB.NET, SQL
**Backend & APIs:** FastAPI, ASP.NET, Entity Framework, REST/HTTP APIs, JSON, SQLite3, API integration
**Web Engineering:** HTML5, CSS3, responsive UI, JavaScript DOM, Figma-to-code, reusable front-end components
**AI & Data:** UiPath Agentic AI, AI-assisted development, machine-learning concepts, Power BI, SPSS, data processing and reporting
**Automation:** UiPath, Blue Prism, Power Automate, Power Apps, Orchestrator, REFramework, Selenium/browser automation
**Cloud & Tooling:** AWS, Azure, Git/GitHub, Jira, Monday.com, Office 365, SharePoint, Excel
**Additional:** Java, C++, UE5, microcontrollers, hardware/software integration

## PROFESSIONAL EXPERIENCE

**Deskstones Limited | Leeds, UK** — **Oct 2023 - Present**

**Senior RPA Developer** — May 2025 - Present
**RPA Developer** — Oct 2023 - Aug 2025

- Engineer and support production-grade automation and integration solutions using UiPath, Python, JavaScript, VB.NET, REST APIs, Selenium and Orchestrator across healthcare payment and operational workflows.
- Automated complex visit-confirmation workflows end-to-end, removing approximately 50 hours of manual effort per week through a stable unattended solution.
- Built invoice balance-adjustment logic with matching and recalculation rules, saving approximately 40 hours per week while improving repeatability and control.
- Designed a dispatcher-performer claims workflow that extracts, filters, resubmits and reports rejected claims, reducing processing effort by approximately 10 hours per week.
- Developed reusable Python + UiPath XLSX-generation/upload components and JavaScript-based secure-portal integrations for automated signatures and document retrieval, eliminating recurring manual effort.
- Built payroll-processing automation integrating AWS storage buckets through APIs and UI automation, reducing processing time by 60%; standardised selectors and reusable components, reducing development overhead by 25%.
- Apply UiPath Agentic AI, Integration Service, Data Service, Apps and API connectors where appropriate, while owning structured testing, exception handling, production support, SDDs, PDDs, runbooks and deployment documentation.

## PROFESSIONAL EXPERIENCE - CONTINUED

**Software Engineer | TotalEnergies E&P Limited (Contract)** | Lagos, Nigeria — **Jun 2022 - Oct 2023**

- Designed and maintained software automation and data-processing solutions for subsea operational workflows, integrating inspection data from sensors, maintenance logs and third-party reports.
- Automated retrieval and processing of subsea equipment inspection data, reducing manual data-entry time by 65% and improving data accuracy by 80%.
- Built reusable libraries and standardised workflow components across projects, improving development efficiency by 30% through code reuse and reduced redundancy.

- Collaborated with subsea engineers and data analysts to translate operational requirements into tested technical solutions, with clear specifications, user guides, SDDs and PDDs.

## SELECTED SOFTWARE ENGINEERING PROJECTS

**Full-Stack Educational Coding Platform** | **FastAPI, SQLite3, HTML/CSS/JavaScript**

Designed and prototyped a gamified learning platform with responsive UI architecture, API routes, database schema planning, code-feedback workflows and student-progress tracking.

**Large-Scale Web Extraction & Code Parsing** | **Python, JavaScript, Parsing**

Built a workflow to ingest and restructure a 25-page web platform, remove layout-heavy markup and generate clean standalone files for analysis, reuse and downstream processing.

**UI Replication & Front-End Systems** | **HTML5, CSS3, JavaScript**

Built responsive Figma-to-code interfaces and interaction systems including navigation, search, modals, mobile menus, translation controls and stateful DOM behaviour.

**Automated Electric Groundnut Roaster** | **C++, Microcontrollers, Sensor/Control Logic**

Developed software and control logic for an automated roasting system integrating electrical heating, sensor inputs, thermal behaviour and hardware-to-software operation.

## OPEN SOURCE & TECHNICAL PORTFOLIO

Selected engineering work across Python, JavaScript, APIs, automation, data and hardware is available through: github.com/a-adewale | adewalesportfolio.vercel.app

## EDUCATION & CERTIFICATIONS

**B.Sc. Mechanical Engineering | University of Lagos** | Lagos, Nigeria **Sep 2018 - Jul 2024**

Second Class Honours (Lower Division) | CWA: 65%

**IIT Mechatronics Programme | IIT** | Lagos, Nigeria **Dec 2024 - Jun 2025**

4th Overall Best

**Certifications & Training:** UiPath Automation Developer Professional; UiPath Academy RPA Developer Foundation; Software Engineering, Robotics, RPA & Design (Buildwithvee); Foundations of User Experience Design (Coursera).