Anthony Okala

IT Consultant & Software Engineer

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Professional Summary

With over 10 years of expertise in automation, software development, machine learning, and safety-critical systems. Specializing in Java, Python, JavaScript, TypeScript, PHP, and modern frameworks such as React, Django, Spring Boot, and Laravel. Expert in UiPath, KNIME Analytics, and Power Automate.Fluent in English, German, and French. Currently serving as IT Consultant at DB Regio AG, I specialize in developing automation solutions using Python and UiPath, achieving 80% reduction in manual effort with a goal to reach 99% automation. I'm also the Co-Founder & CEO of ASOK Solutions Engineering SARL. My expertise spans across the consultant of the consu

Software Developer Achelos GmbH August 2021 - August 2023

Distriction Material Resolution (Fig.)
 Spring Boot Junit - Jenkins - Maven - Git - JIRA
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B Regio AG | August 2021 - June 2022

Politik la dra út al Arbeiten fræntes of the Scrum o

<u>Vorking Student - Software Developer</u>

OKAS FLD - Drive & Delivery Services

Modern business website for OKAS ELD (drive & delivery services). Built with Next.is (App Router), TypeScript, ចំពោះ ក្រុម ប្រជាព្យានេះ ប្រជាព្យានេះ ប្រជាព្យានេះ ប្រជាព្យានេះ ប្រជាព្យានេះ ប្រជាព្យានេះ ប្រជាព្យានេះ ប្រជាព្យានេះ ប្រជាព្យានេះ (DE/EN/FR) Deployed from GitHub to Render.com with a

auston domain Fiat AWS Reut (28 Application

Comprehensive web application aimed at enhancing enterprise advertisement. Integrated multiple technologies

• Brever of December 1 and the control of the c

Local Jenkins Container in VS Code Dev Container

Professional CI/CD development environment with Jenkins configured for Django projects using VS Code Dev

Vivantes Humanitas Web Application

Django-based web application for Vivantes Humanitas e.V., enabling efficient management of volunteer.

• Bestponsand activity tracking plants in a companies of the companies of

Pentak SARL International - Enterprise Web Application

Web application using Laravel/Lumen to manage business operations for a friend's company.
• Unlease et we a spelicate frame in the Arabyel/Publication lands business coperations for a friend's company
PHP • Laravel • Lumen • PHP - Blade • HTML • CSS • JavaScript

Offer Comparison Web Application

Laravel/Lumen-based application to compare online offers, allowing users to make informed purchasing.

• Indesignated and the efficient and application to compare online large and the efficiency of the efficien

Restaurant Management Application Initiative with Friends 12019-2020

Laravel/Lumen-based system to streamline restaurant operations, including inventory tracking and order

• Bollaboualtedeilamorely based systematic steerangedecress are and top walti dois, diffelluting inventory tracking and management order management

Hairstyle Business Web Application

Express.is web application to support a friend's hairstyle business by enabling appointment booking and

• Devaled adversariation to support a friend's hairstyle business by enabling appointment booking and

• Devaled adversariation to support a friend's hairstyle business by enabling appointment booking appointment booking and customer management

CSK Student Association Web Application

Web application for the CSK student group at TU Clausthal, facilitating event management and communication

• Designed events sent two an web upon local months of Spices of the student and up rac Condovas to a lental management and communication among members

Private Tutoring in Computer Science

Conducted private tutoring sessions to help students master programming languages and databases, focusing
• Focus region private tutoring sessions do help students application of a problem so wind application.

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Academic Work

Master's Thesis: End-to-End Learning System for Autonomous Drone Navigation

This project aimed to revolutionize autonomous drone flight by implementing a cutting-edge end-to-end (E2E) Supervisors: Proj. Dr. Andreas Raysch, Dr. Adina Aniculaesei, leath of the supervisors of the s aut bit Sines and the second of the second o

This project focused on analyzing safety-critical systems, with a particular emphasis on drones. As inherently Supervisors: Protein Andreas Rayson, Bradina Aniculaese statina, with a particular emphasis on diones. As innerently safety stating the protein and the protei

Bachelor's Thesis: Software Architecture Management in the Automotive Sector

This project centers on Model-Driven Software Development (MDSD), a cutting-edge approach to achieving Supervisors: Prot. Dr. Andreas Rausch, Arbur Strasser, but the project of the contract suptibilitation of the property of the propert

This project involved the development of a smart beer bar management system designed to enhance user supervisors: Benjamin Fischer, Yong Wang, Prof. Dr. Andreas Bausch experience and the supervisors: Benjamin Fischer, Yong Wang, Prof. Dr. Andreas Bausch experience and the supervisors of the superv

Notable Project: Electric Vehicle Simulator Technical University of Claustinal | 2013 - 2018

This project focuses on developing an electric vehicle simulator to address key challenges such as range supervisors: Meng Zhang.

Limit and the company of receine and control of the state of the stat

This project addresses the growing challenge of finding parking in crowded urban areas while contributing to supervisors: Meno znano. tję a <mark>Prosinculus in Meno supuluki spilutos in Meno supulus in Meno </mark> time par intermediate in the last is the first thick the second of the s

This project involved a comprehensive performance comparison between two leading NoSQL graph databases: Neoff Alangous Politica de la la completa de la completa del la completa de la completa del la completa de la completa del la completa de la completa de la completa del la complet det**erlande Whiter State Bellet for the lance to be a selected and Automation**Technical University of Clausthal | April 2021 - 2022

Research Assistant Technical University of Clausthal | 2014 - 2018

Java • VBA Excel • MVC • JUnit • SVN • SharePoint • Research • Eclipse

Education

Master of Science in Computer Science Technical University of Clausthal 2018 - 2024

Thesis: End-to-End Learning System for Autonomous Drone Navigation

Fools: Bython, Randas, Tensor Flow, Keras, Air Sim, Git, GitLab
Lechnical University of Glausthal Landon Common Research Commo

Completed Coursework: Automation Engineering, Embedded Systems Modeling

Tools: Java Eclipse, Living GMF/EMF

Personal Growing Advanced proficiency in Python, Pandas, Keras, and Scikit-learn through academic projects.

Key Achievement: Designed and implemented a custom software architecture tool supporting Model-Driven

Location: Cameroon

Architecture for safety-critical systems.
Additional Achievement: Learned German language after graduation and obtained the highest language level Completed Coursework: Software Engineering, Distributed Systems, Database, Embedded Systems, Logic and Certificate.

Personal Growth: Proficient inclava, UML, and GMF/EMF modeling for tool development. Python (95%)
Java (90%)
Java (90%)
TypeScript (85%)
PHP (85%)
C++ (85%)
VBA Excel (90%)

Frameworks & Tools UiPath (95%) Diango (90%) Spring Boot (85%) Next.is (80%) React Native (80%) Laravel (85%) TensorFlow (75%)

Databases PostgreSQL (90%) MySQL (85%) Oracle SQL (85%) SQLite (85%) Neo4j (75%) ArangoDB (75%)



Featured Projects

RPA Automation Solutions

Developed tom preferensive automation solutions using Python and UiPath, achieving 80% reduction in manual effort for pata processing and visualization tasks.

Modern business website ชินิilt with Next.js, TypeScript, and Tailwind CSS. Features responsive design, multilanguage support and professional มีในวันเอก

Django-balsed weld appreation for Vivantes Humanitas e.V., enabling efficient management of volunteer registrations and activity tracking website

Professional businesswebsite for Pentak Sarl International, featuring modern design, responsive layout, and comprehensive company information

Endoto-EndotearningSsystem for autonomous drone navigation using Python, TensorFlow, and AirSim simulation achieving Level 4 payigation capabilities.

Customisoftware architecture tool supporting Model-Driven Architecture for automotive sector, improving development efficiency in safety-critical systems.

Full-stacke cross-platformingobite applications using TypeScript, React Native Expo, with Java Spring Boot, Python Django, and PHP Laravel backends.