

MAKIA ENI TIMOTHY

SOFTWARE ENGINEER (AI & FULL-STACK)

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BUEA, CAMEROON

PROFILE

SOFTWARE ENGINEER WITH HANDS-ON EXPERIENCE BUILDING **PRODUCTION-READY WEB APPLICATIONS** AND **AI-POWERED SYSTEMS**. STRONG BACKGROUND IN **NEXT.JS, REACT, NODE.JS, PYTHON**, AND **MACHINE LEARNING MODELS** APPLIED TO REAL-WORLD PROBLEMS. EXPERIENCED IN STARTUP AND AGENCY ENVIRONMENTS, COLLABORATING IN CROSS-FUNCTIONAL TEAMS, AND DELIVERING SCALABLE, SEO-OPTIMIZED, AND PERFORMANCE-DRIVEN SOLUTIONS.

CORE TECHNICAL SKILLS

- PROGRAMMING LANGUAGES:** PYTHON, TYPESCRIPT, JAVASCRIPT
- FRONTEND:** NEXT.JS, REACT, TAILWIND CSS
- BACKEND & APIS:** NODE.JS, EXPRESS, FASTAPI, FLASK, REST APIS
- AI / MACHINE LEARNING:** CNNs, MOBILENETV2, EFFICIENTNETV2, RAG PIPELINES, LLM INTEGRATION (OPENAI, HUGGING FACE)
- CLOUD & DEVOPS:** GIT, GITHUB, DOCKER, CI/CD, VERCEL, AWS (BASIC)
- WEB ENGINEERING:** SEO-OPTIMIZED DEVELOPMENT, PERFORMANCE TUNING, RESPONSIVE DESIGN

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER (FULL-STACK) – SOFTNOVAN TEAM

YAOUNDÉ, CAMEROON | MAR 2023 - PRESENT

- DEVELOPED AND MAINTAINED PRODUCTION-LEVEL WEB PLATFORMS USING NEXT.JS, REACT, AND NODE.JS
- BUILT SEO-OPTIMIZED, RESPONSIVE WEBSITES FOR BUSINESS AND STARTUP CLIENTS
- CONTRIBUTED BACKEND SERVICES AND APIS USING PYTHON (FASTAPI / FLASK)
- COLLABORATED WITH DESIGNERS AND ENGINEERS TO ENSURE SCALABILITY, PERFORMANCE, AND CLEAN ARCHITECTURE

SOFTWARE ENGINEERING INTERN – TECH INNOVATION CENTRE (TIC)

YAOUNDÉ, CAMEROON | MULTIPLE CYCLES (12 MONTHS CUMULATIVE)

- CONTRIBUTED TO THE TIC SUMMIT WEB PLATFORM, A NATIONAL TECHNOLOGY INITIATIVE
- WORKED ON FRONTEND DEVELOPMENT USING NEXT.JS AND TYPESCRIPT
- ASSISTED WITH SYSTEM SUPPORT, DEPLOYMENT TASKS, AND TECHNICAL OPERATIONS

SELECTED PROJECTS

PLANT DISEASE DETECTION – OFFLINE-FIRST AI APPLICATION

- BUILT IMAGE CLASSIFICATION MODELS USING MOBILENETV2 AND EFFICIENTNETV2
- DESIGNED FOR OFFLINE MOBILE USAGE TO SUPPORT FARMERS WITHOUT INTERNET ACCESS
- APPLIED DEEP LEARNING TO IMPROVE EARLY DISEASE DETECTION AND CROP TREATMENT DECISIONS

LLM-INTEGRATED CROP DIAGNOSTIC SYSTEM

- IMPLEMENTED RETRIEVAL-AUGMENTED GENERATION (RAG) PIPELINES
- INTEGRATED OPENAI AND HUGGING FACE MODELS FOR CONTEXTUAL DIAGNOSTICS
- DEPLOYED AI SERVICES USING FASTAPI

TELEGRAM MUSIC BOT (PERSONAL PROJECT)

- DEVELOPED A TELEGRAM BOT FOR MUSIC SEARCH AND DOWNLOADS
 - INTEGRATED THIRD-PARTY APIS (INCLUDING GENIUS API) AND AUTOMATED WORKFLOWS
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EDUCATION

BACHELOR OF TECHNOLOGY (BTECH) – SOFTWARE ENGINEERING (DATA SCIENCE & AI)

UNIVERSITY OF BUEA, COLLEGE OF TECHNOLOGY | 2024 – PRESENT

HIGHER NATIONAL DIPLOMA (HND) – SOFTWARE ENGINEERING

UNIVERSITY OF BUEA, COLLEGE OF TECHNOLOGY | 2022 – 2024

GCE ADVANCED LEVEL (SCIENCES)

SAINT MARY AND JULIANA COLLEGE YAOUNDE – 2022

SOFT SKILLS

- PROJECT MANAGEMENT & LEADERSHIP
 - TECHNICAL DOCUMENTATION
 - TEAM COLLABORATION
 - PROBLEM-SOLVING & CRITICAL THINKING
 - SELF-LEARNING & RESEARCH
 - TIME MANAGEMENT & ADAPTABILITY
 - ATTENTION TO DETAIL
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LANGUAGES

- ENGLISH (FLUENT)
- FRENCH (INTERMEDIATE)