AMBROSE MBITHI

Full-Stack Engineer

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Portfolio: ndoneambrose.netlify.app

Location: Nairobi, Kenya

SUMMARY

Innovative and self-motivated Software Engineer with extensive experience in developing high-quality software solutions. Specialized in creating clean, efficient code that aligns with project specifications. Strong problem-solving abilities coupled with a passion for continuous learning and adopting new technologies to enhance existing expertise.

TECHNICAL SKILLS

- **Frontend:** React, AngularJS, TypeScript, HTML, CSS, NextJS
- **Backend:** Node.js, Express, Python, Django
- **Databases:** MongoDB, SQL, MariaDB, Elasticsearch
- **DevOps:** CI/CD, AWS, GCP, Unit Testing
- **Tools:** Git, WebSockets, Celery
- **Methodologies:** Agile Development, Test-Driven Development

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PROFESSIONAL EXPERIENCE

Software Engineer | United Legal Group

January 2025 - Present | Nairobi, Kenya

Building a multitenant CRM for debt collection agencies utilizing AWS, Django, and Vue3.

Key Achievements:

- Optimized database performance by implementing strategic indexing for faster query retrievals

- Enhanced UI loading time by 40% through component separation and on-demand API calls

- Implemented critical new features including Automation module, mail merge functionality for SMTP email templates

- Developed Leads and Clients modules to streamline onboarding for sales and collection teams

- Created comprehensive documentation including RFCs for new features and RCAs for production bug solutions

- Established CI/CD pipelines for code quality assurance and automated deployment

- Wrote extensive unit tests to ensure application reliability and stability

- Fixed existing bugs to improve overall system stability and user experience

Software Engineer | Savannah Informatics

January 2024 - December 2024 | Nairobi, Kenya

Built and enhanced e-health solutions using AngularJS and Python Django to improve healthcare efficiency across Kenya.

Key Achievements:

- Deployed e-health solutions on AWS and GCP, ensuring high availability and performance

- Led implementation and launch of ETIMS (KRA application) for healthcare provider tax compliance

- Developed USSD codes for patient self-registration across different networks

- Integrated WebSockets enabling real-time communication between healthcare providers and payors

- Researched and implemented Elasticsearch with Django models to improve data search capabilities

- Created automated testing and CI/CD pipelines for streamlined development

- Implemented Celery for background tasks handling appointment scheduling, notifications, and report generation

Full Stack Software Engineer | DoWell Research

March 2022 - February 2024 | Nairobi, Kenya

Served as Group Lead for a team of five, overseeing integration of the Scales product while contributing to multiple initiatives.

Key Responsibilities:

- Led team ensuring seamless product integration and accurate report collection
- Contributed to Workflow AI, automating company operations across HR, team management, and product access
- Developed and maintained solutions using Django, Python, React, Express, MongoDB, and SQL
- Delivered innovative, streamlined, and data-driven solutions for evolving company needs

Software Developer | Innovex Solutions

September 2021 - March 2022 | Kenya

Managed and enhanced software products for insurance companies, serving over 8 insurance providers.

Project Highlights:

- Enhanced system for digitizing vehicle accident claim processes
- Developed system for managing interactions with vehicle part suppliers
- Added new features and improved existing functionalities across front-end and back-end
- Utilized React, Node, Express, Next.js, and MariaDB to create robust solutions

Software Developer Intern | REAL BIZ DIGITAL

April 2021 - June 2021 | Nairobi, Kenya

- Mastered multiple programming languages through provided learning resources
- Analyzed websites to identify pain points and formulate optimization strategies

IT Specialist | Parliamentary Service Commission

January 2021 - March 2021 | Nairobi, Kenya

- Provided fundamental IT support and networking services
- Developed an e-board application using Python (Django), HTML, CSS, and JavaScript
- Enabled staff to schedule meetings and access agendas, supporting paperless initiatives
- Managed Parliamentary congress system and resolved network/printer issues

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EDUCATION

Bachelor's Degree in Computer Science

CORE COMPETENCIES

- Full-Stack Development

- Cloud Deployment & Scalability

- Automated Testing

- Continuous Integration/Deployment

- Data Analysis

- Team Leadership

- Problem Solving

- Project Management

- Teamwork & Collaboration