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Kireka -Kamuli, Kampala-Uganda

SKILLS & TECHNOLOGIES

Programming languages:
- Golang
- Dart
- Python
- Html
- Typescript
- JavaScript

Frameworks & Libraries:
- GORM
- Flamingo by Golang
- React
- Flutter
- WordPress

Databases:
- PostgreSQL
- Firebase
- Hive DB
- GORM ORM

DevOps & Tools:
- Docker
- Git
- CI/CD
- Adminer

Authentication & Security:
- JWT
- OAuth
- Encryption Techniques

Software Development Principles:
- Clean Code
- Microservices
- Agile
- TDD

LANGUAGES

- English

JAHMIA HEZRON

SOFTWARE ENGINEER

Innovative and detail-oriented Software Engineer with expertise in Golang, Flutter, React.js, TypeScript, and DevOps. Passionate about developing scalable, efficient, and user-friendly applications while following clean code principles. I possess a strong background in Information Technology, full-stack development, and UI/UX design. Experienced in using Docker for containerization and deployment.

EDUCATION

- **Bachelor's in Information Technology (2022 – Ongoing)**
  Cavendish University Uganda

- **Diploma in Computer Engineering (2016 – 2018)**
  Management Training and Advisory Centre (MTAC)

- **Certificate in Computing and Information Systems (2015 – 2016)**
  Management Training and Advisory Centre (MTAC)

WORK EXPERIENCE

Software Engineer - Zaantu Software Consultancy (Contract)
2023 May – 2025 Feb
- Assisted in backend development using Golang and GORM for database management.
- Implemented JWT-based authentication for user roles and permissions.
- Developed and maintained microservices using Docker and Kubernetes.
- Collaborated with a team in an Agile environment to deliver high-quality features.

Senior Web Developer - BM Publications (Contract)
2024 July - Present
- Design and develop custom websites tailored to client needs.
- Implement UI/UX best practices to enhance user experience.
- Optimize websites for performance, SEO, and responsiveness.
- Work closely with clients to translate business goals into digital solutions.

PROJECTS

Umoja Connect (Learning & Networking Platform)
- Designed and developed the backend using Golang with a JWT-based authentication system.
- Implemented role-based access control for learners and instructors.
- Integrated Web Sockets for real-time chat functionality.
- Utilized Docker Compose and Kubernetes for deployment and scaling.

Depression Diagnosis System (AI-Powered Mental Health Assessment)
- Built a Golang backend to manage user data, symptoms, and AI analysis results.
- Implemented an NLP-based chatbot and symptom analysis using Python and TensorFlow.
- Developed a secure database using PostgreSQL with encryption for sensitive medical data.
- Designed a Flutter-based mobile application for self-assessment and psychiatrist consultations.

Bulk SMS Messenger (Golang & Africa's Talking API)

- Developed a Golang-based bulk SMS application using Flamingo.
- Integrated Africa's Talking API to facilitate SMS delivery.
- Designed a role-based dashboard for message scheduling and status tracking.

Personal Finance Manager (Flutter & Hive DB)

- Built a Flutter-based mobile application for budget tracking and expense management.
- Used Hive DB for offline-first storage and data persistence.
- Implemented intuitive UI/UX for seamless financial planning.