HOPE MADZIAKAPITA

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PROFESSIONAL SUMMARY

Expert in full-stack development for web and mobile applications, with proficiency in JavaScript (Node.js/React.js), Java (Spring Boot), **Python**, and Flutter/Dart. Skilled in database design, SQL/NoSQL, and **AWS Cloud services**, including Amplify, **DynamoDB**, RDS, and Lambda. Adept at delivering scalable, secure solutions with clean, testable code and implementing **CI/CD** workflows for seamless deployment.

EXPERIENCE

Software Developer: Back-End Developer

Global Health Informatics Institute   *February 2024 to current*

- **Collaborated** with cross-functional teams to gather requirements, aligning data outputs with strategic business goals
- Respond to requests from client and development team for new features and bug fixes.
- Conduct development and integration tests for all software products.
- Contribute to the creation of technical documentation, encompassing design documents, user manuals, and API documentation.
- Conduct proactive data analysis to identify trends and opportunities for system optimization.
- Technologies: AWS Services: RDS, S3, Amplify, Lambda, API Gateway, **Python**, JavaScript, Dart, Git & Github, **Pendo**, Firebase

Freelance Developer

Upwork   *Jan 2023 to Dec 2023*

- Automated data workflows using Python to enhance reporting accuracy and reduce manual effort.
- Payment and Peer-to-peer integration
- Backend development and API integration for seamless data flow
- UI/UX design to create an aesthetically pleasing and user-friendly interface
- Conducted usability testing with high fidelity prototypes
- Collaboration and **effective communication** with clients to understand and meet their requirements
- Technologies used: Node.js, Solidity, Flutter, Firebase, Express, **Figma,** Git & Github

PROJECTS

Digital Malawi Hackathon - Payslip Automation System
Participant & Team Leader
January 2024

- Leveraged blockchain technology to create immutable ledgers ensuring **data integrity** for **audit trails**

- Used biometric authentication to ensure privacy and security of employee pay slips.

- Collaborated with team members to ensure the successful delivery of the project within the hackathon timeframe.

- Created performance tracking dashboards for project presentation.

- Tools and Languages: Flutter, Figma, Python, Solidity, React.js, Express.js, Node.js, Git/Github

Village Bank Mobile Application
Team Leader
January 2023

- Allows users to create and invite others to join groups with their own rules.

- **Automated** dividends calculations, transaction history for transparency, requesting and acquiring loans

- Dashboard for group **analytics and statics**

- Tools and Languages: Flutter, Figma, Java (SpringBoot), React.js, Firebase, PostgresSQL, Git/Github

SKILLS

- Data Analysis & Visualization **(SQL**, Python, **Tableau**, Google charts, **Power Bi**, Chart.js)
- Responsive Web Application Development (JavaScript, TailwindCss, Next.js, React.js)
- UI/UX design (Figma)
- Third-party API integration
- User Experience Research
- Code Validation and Source Control
- Cloud Computing (AWS: Amplify, S3, Lambda, API Gateway)
- Project Management
- Debugging and troubleshooting

- Database Management (RDS, Postgres, DynamoDB)
- Market Analysis & Insights Generation (Pendo Track events)

EDUCATION

University of Malawi, Blantyre,   **2023**
Malawi

- *Bachelor's Degree in Education Computer Science*

National College of Information Technology Blantyre, Malawi 2017

- *Diploma in computing*

CERTIFICATIONS

- **Introduction to Cybersecurity** – Cisco – 2022

- **Introduction to IoT** – Cisco – 2022

- **JavaScript algorithms and Data Structures** – FreeCodeCamp - 2022

- **Introduction to DHIS2** – DHSI2 Academy– 2022

- **DHIS2 Data Quality** – DHSI2 Academy– 2022

- **DHIS2** Aggregate Data Capture and Validation – DHSI2 Academy– 2024