Chuma Makalima

 LinkedIn | 0842373460 / 0633949459 | Portfolio | chumamakalima8@gmail.com | GitHub
Location: 47 Clyde Street, Port Elizabeth, Gqeberha Central,6001

Skills

- Flutter(Dart) | Python | C# | WordPress | Bootstrap 5 |.NET | Java | JavaScript | K2 | MSSQL | Node | NoSQL | Git | NLP Framework
- Azure | DevOps | M Power Automate | M Power Apps | CI/CD | Unit Testing | OOP | Restful APIs | PowerBI | Firebase | Figma
- Microsoft services | Distributed Systems | Frontend | Backend | Full-Stack | Project Management |SharePoint

Experience

Software Engineer	**Preferred Provider Negotiators**	*Port Elizabeth, Central*	**01/2025-Present**

- Architected a zero-touch, scheduled FTP/SFTP automation solution in C# using WinSCP and Windows Task Scheduler, enabling concurrent multi-server execution with configurable credentials and paths. Cutting manual file handling effort by over 84%, reducing processing errors, and improving client data ingestion reliability and turnaround times
- Optimized legacy PHP and .NET Systems (C# /VB.NET) by refactoring critical business logic into SQL stored procedures and integrating via SP_Executor, improving response times by 46%, streamlining debugging workflows, reducing production incidents , and enhancing overall system stability and maintainability
- Designed and implemented a centralized SQL Server job orchestration and logging system in .NET to manage and monitor all Task Scheduler driven automation across the business, leveraging SQL based vector storage and optimized stored procedures to improve execution visibility, accelerating diagnostics, and standardize automation workflows enterprise wide.
- Designed and deployed multiple SSIS workflows to automate complex business data operations, including bulk member lifecycle updates via Excel to SQL pipelines with staging table refresh and mass record updates, significantly reducing manual processing, improving data integrity, and accelerating operational turnaround.

Software Developer	**AyamahTibaa pty(ltd)**	*East London, Berea*	**06/2024-12/2024**

- Architected a Flutter-based internal app with Azure AD auth, featuring task management, scheduling, chat, stationary ordering, office status, and pool car management. Streamlined operations with Power Automate workflows.
- Designed and implemented a responsive website for Imvuselelo utilizing HTML, CSS, JavaScript to effectively communicate the organization's mission and goals.
- Performed front-end and back-end modifications to an existing **WordPress** website hosted on **Afrihost**, optimizing page load times by 63% through image compression and minification. Engineered a Tawk.ai-based chatbot integrating **LNP** for enhanced user interaction.
- Led the design, development, and introduction of a company intranet using Microsoft SharePoint, to streamline internal communication and collaboration by integrating essential tools and resources into a centralized, easily accessible platform.

Freelance Software Developer	**Freelance**	*Buffalo City, East London*	**02/2024 – 06/2024**

- Developed an AI-driven career guidance chatbot using Stack AI, BotPress. Employed NLP for personalized career recommendations .
- Developed a PHP-based power rental platform with HTML/CSS frontend, MySQL Backend and PayFast payment gateway integration. Addressing the need for efficient power equipment rental, interface to list, book, and manage rentals.
- **Developed research-based WordPress app for small-scale farmers.** Enabled peer-to-peer trade, knowledge sharing, on agricultural challenges, and market exposure.
- Developed AI-driven chatbot for Kota Kings, integrating NLP for order processing and product inquiries. Increased sales by over 60%.

Intern-Full-Stack Developer	**Bot-IQ**	*Buffalo City, East London*	**02/2023- 01/2024**

- **Developed engaging chatbots** utilizing Python and NLP frameworks, facilitating seamless integration with over 1000 platforms. Streamlined user experiences for clients in healthcare, education, and marketing sectors through task automation and personalization.
- Led chatbot projects from conception to deployment, driving significant improvements in efficiency and user satisfaction. Possess expertise in full-stack development (HTML, CSS, JavaScript, PHP) and chatbot platforms like Stack and BotPress.
- **Championed cross-functional collaboration** to ensure seamless chatbot integrations and deliver successful solutions. Provided ongoing technical support and actively engaged with stakeholders to guarantee user satisfaction.

Tutor (PAL-Peer Assisted Learning)	**Walter Sisulu University**	*Buffalo City, East London*	**02/2022- 11/2022**

- Enhanced student learning by developing collaborative problem-solving strategies, leveraging technology for engaging instruction, and providing tailored support through lesson plans and study guides.

Assistant	**Mpandela Internet Cafe**	*KSD, Mthatha, EC*	**09/2020- 02/2022**

- Provided technical support by installing, configuring, and maintaining computer systems and networks, developing training programs, and troubleshooting technical issues.

Education

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Advanced Diploma in ICT   **Walter Sisulu University**   *Buffalo City, East London*   **02/2023 - 12/2023**

- Major in Applications Development (Deepened my understand of computer science principles, refined my expertise in Data Structures and Algorithms , software development, with expertise in Agile Methods, version control, testing, and deployment strategies, graduating with an average above 70%).

Diploma in ICT   **Walter Sisulu University**   *Buffalo City, East London*   **02/2019 – 12-2022**

- Major in Applications Development (developed expertise in programming languages, database management, and software development methodologies, completing projects in web and mobile development, and database design. Graduated cum laude).
- Developed a versatile web app featuring e-commerce, automated processes powered by Power Automate, and SMS functionality through Twilio. This streamlined operations and enhanced user experience.

Projects

- **SAMRC & PAICTA:** Project managed, designed and developed a modern Clinic Management **Masiphilehis** for SAMRC **(07/2020)**
- **Silver Award**: 2nd prize for the development of an eLearning platform Makukhanye at **ACM SIGCHI** in Hamburg, Germany **(03/2013)**
- **Mentored at the AfriCHI** : Guided teams through design thinking and development stages, providing insights and support. **(02/2014)**

References (Will be sent on request)