

EMILLIO ITAI MARAMBO

FULL STACK SOFTWARE DEVELOPER

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About Me

Full-stack developer specializing in secure, dynamic applications using .NET, Angular, and Xamarin Android. My diverse background in marketing, service, and education enhances my adaptability and problem-solving skills. I excel at delivering high-quality solutions on time while mentoring juniors. Let's connect and create something remarkable!

Personal Details

Age: 30

Marital Status: Single

Languages: English, Shona

Nationality: Zimbabwean

Education

Rhodes University

Feb 2019 - Nov 2019

Honours in Computer Science (1 year)

Areas of Study: Computer Information Security, Image Processing, Machine Learning, Distributed and Parallel Computing and Computer Architecture

University of Fort Hare

March 2015 - Nov 2017

Bachelor of Science (3 years)

Majors: Computer Science and Applied Mathematics

Modules included: Computer Networks, Advanced Programming, Understanding Operating Systems, Software Engineering, Numerical Analysis and Application of Differential Equations

Mutenderende High School (Zimbabwe)

Jan 2012 - Nov 2013

Advanced Level (2 years)

Commercials: Mathematics, Business Studies and Economics

Work Experience

DiPAR Systems, Cape Town, South Africa

Jan 2020 - Present

Full Stack Software Developer (Permanent)

Architect and Innovator: Transform complex application specifications into intuitive and functional solutions. Design, build, and maintain robust, efficient, and reusable code that pushes the boundaries of software development.

Performance Optimizer: Drive the performance, quality, and responsiveness of applications by proactively identifying bottlenecks and engineering innovative solutions. Ensure optimal integration of data storage solutions, particularly on MS SQL Server.

Code Quality Advocate: Champion superior code quality through rigorous reviews, adherence to best practices, and fostering automation. Lead by example, mentoring junior developers and maintaining an organized, scalable codebase.

Strategic Technical Advisor: Provide expert technical analysis and strategic guidance to development managers, aligning technical solutions with business goals. Conduct R&D and POC for new system features, contributing to the strategic direction of the project.

Support and Reliability Expert: Rapidly debug and resolve system issues, ensuring uninterrupted service and maintaining user satisfaction. Implement preventative measures to enhance system reliability and performance, safeguarding against future issues.

Revival Technologies, Harare, Zimbabwe

Sept 2018 - Feb 2019

Technical Services Officer (Permanent)

Queue Management System Specialist: Lead the installation, maintenance, and troubleshooting of Wavetec queue management systems for clients, ensuring seamless and efficient operations. Develop and implement tailored network plans for new installations, and provide expert diagnostics and resolution for existing customer issues.

Network and Systems Technician: Optimize office environments through precise cable management and reliable video conferencing system installations,

Stanbic Bank, Gweru, Zimbabwe

Nov 2014 - Feb 2015

including Polycom systems. Maintain and support the company's internal network, ensuring robust and secure digital infrastructure.

Technology Integrator and Tester: Leverage expertise in PHP, JavaScript, Microsoft SQL, and .NET Framework to integrate and enhance system functionalities. Conduct comprehensive testing of internally developed systems to ensure high performance and quality before deployment.

Bank Teller (Contract)

Customer Service Excellence: Deliver high-quality service by efficiently processing deposits, payments, and introducing customers to new banking services, ensuring a positive client experience.

Asset Security and Control: Safeguard customers' assets by maintaining stringent security measures and exercising vigilant control over cash transactions.

Data Management and Accuracy: Ensure data integrity through meticulous data cleansing, updating customer information in the event of address changes or other critical details.

Pula Sales, Harare, Zimbabwe

March 2014 - October 2014

Merchandising Promoter (Contract)

Customer Engagement and Product Demonstration: Introduce customers to company products and effectively demonstrate their usage, ensuring a clear understanding and fostering interest among prospective customers.

Inventory Management and Reporting: Maintain optimal shelf space by ensuring cleanliness and organization, while also negotiating orders and compiling comprehensive monthly branch sales reports.

Skills

Programming and Database

Core tools

C# & MS SQL: C# mainly .NET Core and Entity Framework for Web, then Xamarin Android (Migrating to the latest .NET) while MS SQL is the main Database Language

Kotlin & Firebase: Kotlin mostly for Android Native with Firebase as the database of choice due to its offline capabilities

Others: JAVA, Python and MySql

Scripting and Markup Languages

Supplementary technologies

jQuery & Angular: Elevating user experiences through powerful libraries and frameworks.

TypeScript & JavaScript: Enhancing web functionality with robust, dynamic scripting.

CSS & HTML5: Crafting visually appealing and responsive web designs.

LaTeX: Producing high-quality, structured documents with precision.

DevOps and Others

Delivery technologies and personal skills

Docker & Kubernetes: Mastering containerization and orchestration to streamline development and deployment.

Azure Services Pipelines: Implementing CI/CD pipelines to accelerate development workflows and improve deployment efficiency.

Version Control: Leveraging Git, Bitbucket, and TFS for robust code management and collaborative development.

Computer Networking & Information Security:

Ensuring secure and reliable network infrastructure and data protection.

Leadership & Team Collaboration: Guiding and inspiring teams to achieve shared goals, fostering a collaborative environment, and ensuring effective communication and project execution.

Projects

BookiT

Effortless driving lesson bookings at your fingertips

Driving School Management System

BookiT is a real-time web and mobile driving school management system where students can book lessons online, while driving schools manage lessons via the mobile app.

Technologies used include .NET Core for the API, Firebase for the database, Kotlin for the mobile app, and Firebase Cloud Messaging for reminders.

Explore more: visit the [BookiT website](#) to book lessons, or [download the app](#) to register as a Driving School.

Thunderbolts Academy

Empowering the community through sport

Handball Club Website

Developed a website for a Handball club dedicated to supporting marginalized communities through sport. I volunteered to create this as a way of giving back to the community.

Built the site using Angular, hosted on AWS with an S3 Bucket, and the source code is available on GitHub.

Check out the website:
<https://www.thunderboltsacademy.co.za/>

Bitcoin Automated Trader

Leveraging the power of automation

Bitcoin automated trader

Developed a project leveraging Bitcoin price fluctuations using Luno's web API. Implemented a mean reversion strategy to automatically buy or sell Bitcoin when prices hit thresholds based on mean and standard deviation.

Utilized .NET Core for the backend, hosted the project on an AWS EC2 instance, and used MS SQL as the database.

For more details on this and other projects, feel free to reach out.

Interests

Applications of Machine Learning in the area of Voice Recognition, Language detection and Translation

Big Data Analysis

Applications of AI in Electrical Engineering

References

Grant Le Roux - "Dipar Systems"

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