Apiwe Magama

Full Stack Engineer

Result oriented web developer, with 5 years of experience covering frontend, backend and database administration including API development. A fast and eager learner; I adapt to changing project requirements quickly to meet business requirements. And I am a firm believer in the mobile-first approach.

WORK EXPERIENCE

McGama Corporation

Full Stack Engineer, Freelance	January 2020 - Present

Designed, developed and deployed scalable, efficient and secure web applications, leveraging expertise in both front-end and backend technologies to deliver seamless user experiences and robust system performance.

- Develop user interfaces and dashboards with modern CSS frameworks and JavaScript libraries and frameworks.
- Develop backend code and create efficient modules using PHP, Python, and Node.js, ensuring optimal performance and scalability.
- Designed and implemented a microservices architecture based on SOA principles for a large-scale e-commerce platform.
- Diagnose and resolve code issues efficiently, implementing solutions to ensure system stability and optimal performance.
- Ensure availability and security for databases in a production environment.
- Manage access points for others who need to manage a web application.
- Heading the development and maintenance of web services.
- Utilize AJAX to send and receive JSON formatted data between frontend and APIs.
- Enhance system performance by updating and optimizing existing features to improve functionality and user experience.
- Address integration requests promptly, collaborating with stakeholders to ensure seamless connectivity and functionality across systems.
- Lead research initiatives to explore and evaluate the latest technologies, ensuring our solutions remain innovative and competitive.

Backend Developer, Freelance	January 2018 - December 2019

Utilized creative problem-solving skills to develop innovative solutions as a developer, while also navigating the challenges of begging, developing resilience and adaptability in the face of uncertainty.

- Design and implement server-side logic to support web applications, ensuring robust functionality.
- Create and manage databases, optimizing data storage and retrieval processes to enhance application performance.
- Develop and maintain Application Programming Interfaces (APIs) for seamless integration with front-end components and external services.
- Develop and maintain Application Programming Interfaces (APIs) for seamless integration with front-end components and external services.
- Identify, diagnose, and resolve issues in applications, ensuring high reliability and performance.
- Implement security measures to protect sensitive data and ensure compliance with relevant standards.
- Continuously monitor and optimize application performance for speed and efficiency.

Frontend Developer, Freelance	January 2014 - December 2017

Designed and developed responsive, user-friendly and accessible web applications using HTML, CSS and JavaScript, ensuring seamless user experiences across various devices and browsers.

- Independently create user-friendly web pages using HTML, CSS, and JavaScript, ensuring a seamless experience across devices and browsers.
- Convert design mockups into functional web applications, ensuring fidelity to the original design while enhancing usability.
- Implement performance enhancements to ensure applications run efficiently and load quickly.

PROFILE

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Email
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LinkedIn
https://linkedin.com/in/apiwemagama
Portfolio
https://github.com/apiwemagama

SKILLS

Technical

Skill	Rating
HTML5	●●●●○
CSS3	●●●●○
Bootstrap	●●●●○
Materialize	●●●●○
Tailwind CSS	●●●●○
JavaScript	●●●○○
Angular	●●●○○
React	●●●○○
PHP	●●●●○
WordPress	●●●○○
Laravel	●●●○○
C#	●●●●○
ASP.NET Core MVC	●●●○○
ASP.NET Core Web API	●●●●○
Entity Framework	●●●○○
Postman	●●●●○
Java	●●●○○
Python	●●○○○
Django	●●○○○
Node.js	●●●●○
Express.js	●●●●○
SQL	●●●●○
AJAX	●●●○○
JSON	●●●●○
XML	●●○○○
SEO	●●○○○
Git	●●●○○
A+	●●●●○
N+	●●●○○
Agile development	●●●●○
Apache Cordova	●●●○○
Electron	●●●●○
Microsoft Dataverse	●●●●○
Microsoft Power Apps	●●●●○
Microsoft Power Automate cloud flows	●●●●○
Microsoft Power Pages	●●●●○
Microsoft Power Platform environments	●●●●○

Interpersonal

Effective communication
Problem solving
Collaboration
Creativity
Research

EDUCATION

Full Stack Web Developer Fundamental
Tshwane University of Technology
September 2019 – February 2020

Grade: Cum Laude

National Diploma: Information & Communication Technology (Web & Application Development)

- Regularly update and improve existing websites by implementing new features and fixing bugs as needed.
- Identify, diagnose, and resolve issues related to web applications to maintain high-quality performance.
- Test applications for compatibility across various browsers and devices to ensure consistent user experiences.
- Apply search engine optimization techniques to enhance visibility and accessibility of web pages.
- Keep abreast of emerging technologies and industry trends to continuously improve skills and practices.

Reason for Living: Security and stability

IT Technician, Seasonal   March 2009 - November 2012

Installed, configured and troubleshot hardware and software, providing timely and effective technical support to resolve issues and maintain optimal IT infrastructure performance.

- Set up and configure hardware and software components to ensure usability across the organization.
- Diagnose and resolve hardware and software issues, providing timely support to users.
- Conduct regular maintenance on systems, including updates and upgrades to ensure optimal performance.
- Serve as the first point of contact for IT-related queries, assisting employees with technology issues.
- Monitor network performance, report outages, and implement necessary fixes.
- Install and upgrade anti-virus software and manage security protocols to protect sensitive information.

Reason for Living: Security and stability

Mecer Inter-Ed
Microsoft Power Platform Trainee, Contract   July 2024 - November 2024

Received comprehensive training on Microsoft Power Platform, gaining hands-on experience with tools such as Power Apps, Power Automate, Power BI, ad Dynamics 365, enhancing skills in low-code development, workflow automation and data analytics.

- Design and maintain applications using Microsoft Power Apps tailored to meet specific business needs.
- Utilize Power Automate to streamline business processes and automate repetitive tasks.
- Create insightful reports and dashboards using Power BI to facilitate data-driven decision-making.
- Integrate Power Platform solutions with other Microsoft services (e.g., SharePoint, Dynamics 365) and third-party applications.
- Strong verbal and written communication skills for effective collaboration with team members and stakeholders

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Reason for Living: Security and stability

Pax Divitiae
Junior Web Developer, Internship   April 2023 – August 2023

Assisted in the design, development and deployment of web applications, contributing to front-end and back-end development using programming languages such as HTML, CSS, JavaScript and frameworks like React or Angular while collaborating with senior developers to improve coding skills and knowledge.

- Collaborated with senior developers to design, develop, and implement software applications using Figma, React and Django.
- Participated in code reviews, providing constructive feedback to enhance code quality and maintainability.
- Created and maintained technical documentation, including user manuals.
- Participated in daily stand-ups and sprint planning meetings, contributing to team goals and project timelines.
- Engaged in ongoing learning of new technologies and programming languages to improve skills and contribute to projects effectively.

Tshwane University of TechnologyFebruary 2014 –July 2019

National Senior Certificate
St James Senior Secondary School
January 2006 – December 2008

Grade: Bachelor

CERTIFICATES

Backend Development using ASP.NET
Board Infinity
07 February 2024

C# for .NET Developers
Board Infinity
01 February 2024

Developing Applications with SQL, Databases and Django
IBM Skills Network
10 August 2023

Developing Front-End Apps with React
IBM Skills Network
05 August 2023

AWS Certified Cloud Practitioner
Amazon Web Services
01 June 2023

Front-End JavaScript Frameworks: Angular
The Hong Kong University of Science and Technology
01 April 2023

Build a Full Website using WordPress
Coursera Project Network
29 January 2023

Introduction to UI Design
University of Minnesota
 03 August 2022

Python for Everybody
University of Michigan
01 December 2021

HTML, CSS & JS for Web Developers
Johns Hopkins University
27 August 2021

- Attended workshops and training sessions to stay updated on industry trends and best practices.
- Worked closely with cross-functional teams, including cloud designers to deliver high-quality software solutions.
- Assisted in gathering user requirements through meetings ensuring alignment with project objectives.

Reason for Living: Short term contract

BMW IT Hub
Participant, Hackathon   August 2022 – August 2022

I was one part of a large group selected to participate on a day #TechTalentDays event where we had to resolve issues on an application built using Angular and Python framework known as Django.

DDST
Applications Support Consultant, Contract   February 2020 – March 2022

Provided expert application support, resolving technical issues and delivering timely solutions to clients, ensuring seamless system functionality and optimal user experience.

- Collect customer requests and data.
- Attend customer phone calls.
- Respond to user emails.
- Conduct basic troubleshooting.
- Create tickets for all Levels support.
- Provide product information.
- Solve common problems such as username and password issues, installations issues and setup.

Reason for Living: Company downturn

ICEP (Informatics Community Engagement Project)
Web Developer, Internship   February 2019 – July 2019

Served as a Web Developer Intern, assisting in the design, development and testing of web applications, gaining hands-on experience with programming languages, frameworks and technologies while contributing to agile development teams.

- Conduct analysis of website and application requirements through SCRUM; an agile methodology.
- Follow project plan to develop software.
- Build mock designs and wire-frames for landing pages for 1 product concept.
- Collaborate with designers, developers and stakeholders.
- Finalize and test websites.
- Collaborate with the product team to create new features.
- Keep products updated; ensure that the links and applications on each page work properly.
- Meet deadlines and timelines as determined in the planning phase.
- Multitask on a range of products and tasks simultaneously, defining priorities and ensuring efficiency.

Reason for Living: Short term contract

REFERENCES

Available on request