

Curriculum Vitae for Tatenda Kachere

Software Engineer

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Personal Profile

I'm a driven young man who is really passionate about software development and electrical engineering and wants to progress his career in both fields. I am knowledgeable in the following areas:

Web Development(PHP, Python) • AI(Python) • Application Development(Android/Flutter) • Database Design and Implementation(Postgres/Mysql/MongoDB) • Project Management(Scrum Agile Methodology) • Server Configuration and management (DevOps)

Education

Midlands State University Zimbabwe (2019-2023)

BSc Honours Computer Systems Engineering – CLASS 2:1

Work Experience

Novic Technic Refridgeration – Assistant Electrical Engineer Intern, Part-time (January 2021 – November 2021)

- Offered technical and non-technical support and services to clients and staff regarding product use, operation and maintenance.
- Negotiated tender and contract terms to meet both client and company needs.
- Provided troubleshooting and analysis for discovered electrical faults, offering potential solutions.
- Conducted tests on electrical systems and equipment and reported results.
- Utilized and interpreted technical drawings when repairing and installing electrical systems.

TM Pick n Pay – Inter Systems Administrator, Part-time (November 2021 – September 2022)

- Proficient in PostgreSQL database administration, including installation, configuration, performance tuning, backup and recovery, and security.
- Skilled in API development and integration, utilizing frameworks like Flask, Django, Laravel and Spring Framework.
- Knowledgeable in DevOps principles and practices, including version control, continuous integration and deployment, and containerization.
- Experienced in designing, scheduling, and orchestrating data workflows using Apache Airflow.
- Familiarity with Azure Data Lake storage and data processing using Azure services.
- Proficient in troubleshooting and resolving database-related issues.
- Strong documentation and collaboration skills.
- Managed, troubleshoot, backed up and restored data, operating systems, files, documents and drivers to provide comprehensive systems management and support.
- Trained and directed users on correct use of software and hardware within systems.
- Participated in IT department meetings to identify continuous improvement opportunities and enhance delivery of IT services to users.
- Kept systems operating efficiently by performing necessary upgrades and repairs.
- Provided appropriate permissions to users for accessing files and databases.
- Conducted basic troubleshooting to isolate and diagnose common system problems.

- Created online documentation to help employees resolve day-to-day issues.
- Implement policies, procedures and best practices to safeguard and protect data, reports and access.
- Performed preventive maintenance and upgraded systems to improve network, system and data availability and integrity.
- Increased team productivity and automated repetitive tasks with batch files, PowerShell and VBScript.
- Monitored network performance to determine adjustments needed.
- Performed data backups and disaster recovery operations.
- Diagnosed, troubleshoot and resolved hardware and system problems.
- Trained team members and users in newly implemented and emerging technology to enhance business productivity.
- Assisted in the development of software by modelling software structures.

BusyBuilds Software Solutions Part-time (January 2021 – Current)

- Developing applications using tools like Laravel for PHP, Node for JavaScript, React for JavaScript, and PostgreSQL for database management.
- Taking on leadership roles throughout the entire software development lifecycle of projects.
- Implementing software development approaches, such as Scrum, Extreme Programming, and Waterfall models, for legacy code projects.
- Collaborating with the marketing team to create user-centric software solutions.
- Making creative modifications to existing solutions, enhancing their functionality and user experience.
- Utilizing the React framework for front-end development.
- Working with PostgreSQL and MSSQL for database management and integration.

Brainstake Smart Solutions Full-time (May 2023 – Current)

- Making applications with tools like Laravel for PHP, Node for Javascript, and React for Javascript
- From the beginning to the end of software development projects, leadership.
- Implementing software development approaches for legacy code projects, such as Scrum, Xtreme Programming, and Waterfall models.
- Created user-centric software in collaboration with the marketing team Added creative modifications to already existing solutions

Projects

- Workmate: This is a HR, CRM & Project Management System, that creates invoices and does project management for teams of all sizes and it eliminates all the paper work in an office.

Link: <https://workmate.busybuilds.com/>

Roles:

- Worked as one of the backend developers on the project
- Agris: This is a farm monitoring and land demarcation AI based system that assists farmers in monitoring their farms remotely without the need to physically visit the farm.

Link: <https://agris.cloud/>

Roles:

- Worked as one of the backend developers on the project

School Management System: This is a school management system (SaaS) that assists in the processes carried out in a school .

Roles:

- Worked as one of the backend developers on the project

Key skills

- Combining several of Python, Arduino (C++) and Circuit design I can develop intelligent IOT systems that use Ai to enhance functionality and give best results.
- Offers more than 10 programming languages (C, C#, PYTHON, JAVASCRIPT, VB, PHP, CSS, Java, SQL, Dart, VHDL etc).
- Can perform database design, development and deployment using SQL.
- Can develop Desktop applications using C# and .Net frameworks.
- Can develop Advanced Web applications using Python, and or PHP using frameworks such as Laravel and Django.

References

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