Brendan Waspe

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 BrendanWaspe   ⚰ Date of Birth: 5 January 2003   🚗 Driving License: Code 8(B)

About Me

I am currently a qualified BSc IT graduate and software development enthusiast with a strong will to learn and adapt to the working environment. Proficient in the programming languages of Java, C (.Net and .Net Core), C++, and Python. Highly motivated, curious, and eager to learn new skills, overcome challenges, and solve problems while developing innovative solutions.

Knowledgeable in SQL through the use of MySQL and Oracle SQL. Excellent teamwork skills and experience working in a team environment throughout university. Educated in the use of version control through repository services such as GitHub. Fast learner with strong communication skills, commitment, and dedication.

Education

North-West University   *Jan 2022 – Dec 2024*
BSc Information Technology

- **Relevant Coursework:** Data structures and algorithms, IT Developments, Computer Networks, Operating Systems, Systems Analysis and Design, Object-Oriented Programming, Information Security, and Structured Programming.

Hoërskool Roodepoort   *Jan 2017 – Dec 2021*
National Senior Certificate

- **Subject Set:** Mathematics Core, Physical Sciences, Life Sciences, Information Technology, English Home Language, Afrikaans First Additional Language, Life Orientation.

Skills

- **Technical Skills:** Python, Java, C, C++, HTML, CSS, JavaScript, Dart, SQL, LaTeX, AWS, Azure, Docker, Kubernetes, CI/CD, Git, GitHub, Linux, Windows, SSMS, VS Code, Visual Studio
- **Frameworks:** Node.js, React, Flutter, .NET
- **Soft Skills:** Creative, Teamwork, Adaptability, Problem-solving, Analytical Skills, Critical Thinking Skills, Time Management, Adaptability, Fast Learner, Ability To Work Under Pressure, Multitasking Skills

Languages

- **English**
- **Afrikaans**

Projects

HMS TL System   *Aug 2024 – Dec 2024*

- Designed and developed a web and mobile application using Flutter and .NET Core to manage teaching and learning activities.
- Implemented JWT role-based authentication for Admin, Student, and Lecturer roles.
- Integrated back-end .NET APIs with a Flutter front-end and managed CORS policies.
- Leveraged SQL Server for secure and efficient database management.
- API testing using tools such as Postman and Swagger.

Spa Management System   *Mar 2023 – Nov 2023*

- This group project tested teamwork and communication skills, taking students through the full system development process from design to evaluation.

- Built a .NET Core Windows Form Application using Microsoft Visual Studio with tab sheets for the GUI design.
- Followed a complete design scope and documentation process before development and maintained a detailed diary logging team contributions.
- Designated to maintain the client management module, including adding, deleting, updating, viewing, and searching for clients.
- Designed GUIs to generate reports for income by time period and top 10 treatments.
- Evaluated and tested functionality to ensure alignment with the project scope.
- Achieved a final grading of **92

Virtual CV   *Aug 2023 – Sep 2023*

- Developed an interactive online curriculum vitae using HTML, CSS, and JavaScript to showcase my personal and professional information.
- Designed a clean, visually appealing layout with structured containers to emulate a traditional CV format, enhanced with clickable interactive links.
- Integrated features such as:
  - Profile picture.
  - Interactive social media links to platforms like GitHub and LinkedIn.
  - Contact information, languages, city location, and driving license.
  - Profile summary, professional skills, projects, and interests.
- Focused on improving visual appeal and functionality to ensure easy navigation and interactivity.

Fruit Identification Machine Learning Model   *Mar 2024 – June 2024*

- Built a fruit identification model using the no-code machine learning platform **Lobe.ai** to classify and predict different fruit types from images.
- Trained the model on a dataset of labeled fruit images, optimizing accuracy through iterative testing and validation.
- Exported the trained model for use in interactive applications, demonstrating its capabilities in real-time predictions.
- Focused on exploring practical applications of machine learning for educational and functional purposes.
- Gained experience in creating, training, and deploying AI models with minimal code.

Interests

- Gaming
- Motorsport
- PC-Building
- Keyboards
- Electronics
- Business
- Reading
- Traveling