

# HEINO LOUWRENS

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Open to Travel • Open to On-Site • [LinkedIn](#)

## Junior Programmer

My name is Heino Louwrens, I am an emerging information technology professional with a degree from North-West University, acquired in 2022. I am driven by optimism and in a relentless pursuit of success. My passions include technology, coding, writing, and collaborating with others. I have a keen interest in cryptocurrency and its potential impact on the global economy. With a broad exposure to various programming languages, I quickly adapt to new technologies and continuously enhance my existing skills. I am also eager to learn more about artificial intelligence and how to use it to streamline processes and improve productivity.

## PROFESSIONAL EXPERIENCE

**H2C2** **Oct 2023 - Dec 2024**

### Junior Full-Stack Developer

At H2C2, I have been instrumental in full-stack development and backend optimization, contributing to the enhancement of infrastructure and user-focused functionalities. I modernized email handling by rewriting stored procedures and integrating **MailKit**, improving reliability and flexibility while reducing dependency on built-in database mailers. I redesigned the database structure to optimize performance, utilizing **LINQ queries** to ensure efficient data retrieval and seamless integration with the email system. Additionally, I developed a **User-Specific Notification System**, a tailored solution built with **ASP.NET Core**, **Entity Framework**, and **AngularJS**, providing notifications based on user roles and agent areas. My work also included implementing interactive and user-friendly interfaces using **JavaScript**, **HTML**, and **CSS**, ensuring a cohesive experience across applications. These projects reflect my ability to deliver scalable, efficient, and user-centric technical solutions.

**Vispro Traders** **Jan 2023 - Sep 2023**

### Junior Backend Developer

At Vispro Traders, I focused on delivering solutions that enhanced software functionality and supported company growth. My primary accomplishment was the development of the **iLogger Component**, a robust logging tool built with C# and .NET Core, designed to efficiently track system events and user activities. This tool significantly improved debugging capabilities and performance optimization. Additionally, I produced a promotional video to showcase Vispro Traders' services, managing the entire production process to highlight the company's offerings and attract new clients.

## EDUCATION

NWU (North West University of Potchefstroom), BSC in Information Technology

High School Huguenote, Matric

## COURSES I HAVE COMPLETED

**KHIPU's Mixed Awareness Course** **Sep 2021**

[The Bits and Bytes of Computer Networking](#), Google **Apr 2022**

[Operating Systems and You: Becoming a Power User](#), Google **Jul 2022**

[Technical Support Fundamentals](#), Google **Apr 2022**

## PROJECTS I HAVE BEEN A PART OF

### Vispro Traders, iLogger Component

- I developed the iLogger component to enhance the existing application by creating a comprehensive logging tool using C# and .NET Core.
- The iLogger component efficiently tracks events and activities within the software, capturing detailed logs of user actions and system events.

- By providing valuable insights for debugging and performance optimization, the tool significantly improves the application's functionality and analytics capabilities.
- The project involved conceptualizing the design, coding the implementation, thorough testing, and deploying the iLogger component, ensuring robust performance and reliability.

**Vispro Traders, Promotional Video**

- I created a promotional video for Vispro Traders to showcase their services and attract new clients.
- Utilizing OBS Studio and video editing software, I handled the entire production process, including scripting, recording, editing, and final production.
- The video highlighted the unique features and benefits of Vispro Traders' offerings, demonstrating versatility and commitment to company promotion.
- You can view the video in the below link: <https://www.avigilon.com/integrations/vispro>

**H2C2, MailKit Integration**

- I modernized email handling by converting old stored procedures into backend code using C#, MailKit, and SSMS 2019.
- This involved rewriting existing stored procedures to integrate with MailKit, allowing for more flexible and efficient email handling.
- The project reduced dependency on the built-in database mailer and improved overall system performance by enhancing the reliability and flexibility of email operations.

**H2C2, Database Redesign**

- Redesigned our database to enhance its efficiency and streamline backend processes.
- This project involves optimizing LINQ queries for data retrieval, ensuring seamless integration with our MailKit-based email functionality.
- By refining the database structure and query performance, we aim to improve data handling and overall system responsiveness.

**H2C2, User-Specific Notification System**

- Developed a full-stack email notification system for a dispute resolution application, ensuring users received tailored notifications based on multiple roles and agent areas.
- Leveraging ASP.NET Core with Entity Framework to create a scalable backend for managing complex user-role relationships, and built a dynamic AngularJS front end for managing email settings.
- Streamlined the integration of backend data models to accurately handle overlapping roles and areas, enhancing the flexibility and reliability of the notification system.

**Personal Website, [Link](#)**

- I developed a personal website to showcase my skills and continuous learning using HTML, CSS, JavaScript, and Angular. The website demonstrates my web development skills, featuring modern techniques, enhanced user experience, and regularly updated content to reflect my professional growth and new skills.

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**Core Competencies**

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**Programming Languages** C#, ASP.NET Core, SSMS, SQL, Python, C++, Java  
**Web Development** HTML, CSS, JavaScript, AngularJS, Github  
**Soft Skills** Word, Excel, Excel QM, PowerPoint, Zoom, Microsoft Teams, OBS Studio  
**Investment Knowledge** Rich Dad Poor Dad by Robert Kiyosaki, Rich Dad's Guide to investing by Robert Kiyosaki  
**Interests** Maintaining a healthy lifestyle at the gym, Reading investment books, Cricket, Soccer, Researching new technologies, Computer hardware and software, Travelling, Web 3, Crypto currency, AI, AI optimization  
**Languages** English, Afrikaans, German

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**LEADERSHIP ROLES**

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**High School Prefect**

**Primary School Head Boy**

**Church Youth leader**

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**REFERENCES**

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Anton Pieterse (CEO Vispro Traders)

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**Support**

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Supporting documentation can be provided for all CV statements, if you require any supporting documents please contact me.