

Henru Olivier - CV

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Website: <https://henruolivier.github.io/henru-dev/>

Professional Summary

Dynamic and detail-oriented Full Stack Web Developer with over 3 years of professional experience in designing, developing, and managing complex web applications and solutions. Specializing in Angular, Node.js, Express, and MongoDB, with a strong foundation in microservices architecture, Docker, and real-time data processing. Additionally, I possess a robust foundational knowledge in various IT domains including programming fundamentals, DB management, and network systems, which were part of my early education and have shaped my comprehensive understanding of IT infrastructure. My programming skills were further enhanced through self-study in Python during high school, providing me with a versatile skill set that supports my specialization in modern web technologies.

Key Skills

Languages: JavaScript (including ES6+), HTML5, CSS3, TypeScript, Python

Frameworks/Libraries: Angular, Node.js, Express, React, Next.js

Databases: MongoDB, MySQL, PostgreSQL, Redis, InfluxDB, CouchDB, Pinecone, Chroma

Tools & Tech: Git, Docker, RabbitMQ, Kafka, Firebase, Grafana, Redis, Ansible, Cloudflare, PM2, NGINX

APIs: RESTful APIs, Stripe Payments Integration, OpenAI, Twilio

AI/ML Tools: OpenAI APIs, LangChain, N8N, RAG pipelines, Embedding, Vector DB's & semantic search

Architecture: Microservices, MVC

Professional Experience

SUPA SOLUTION, February 2022 - Current

Feb 2022 – Aug 2023: Junior Software Developer, Aug 2023 – Current: Software Developer

- Created a dynamic **IoT system**, capable of processing and visualizing data from various sensors
- Developed and maintained a **CMS** admin page and client shop for an e-commerce store.
- Contributed to the design and implementation of a **component library**.
- Managed end-to-end integration of **Stripe payment systems**.
- Utilized **Docker** for containerization and **RabbitMQ** and **Kafka** for handling message queues.
- Employed **microservices** architecture to enhance application modularization.
- Implemented real-time data communication using **LoRa protocols** and **WebSockets**.
- **Deployed and maintained** projects on **custom hardware** and **remote servers**.
- Designed and implemented an **Object-Relational Mapping (ORM)** system for CouchDB
- Implemented **AI-driven solutions** and automations using 'RAG', custom **embeddings**, **LangChain**, and **Whatsapp integration** to enhance information retrieval, **automation**, and decision-making workflows.

Education

High School Diploma, Major in Information Technology

Klerksdorp Highschool, Klerksdorp, South Africa

Matriculated in 2021

During my high school years, I developed a strong foundation in various IT domains, including programming, database management, and network systems. My coursework included extensive hands-on projects using Delphi, fostering a deep understanding of software development and IT infrastructure. My interest in technology was further enhanced by self-study in Python and JavaScript, setting the stage for my career in web development and beyond.

Continuing Professional Development

Starting in 2022, I embraced the opportunity to work as a Junior Software Developer, opting for practical, real-world experience over traditional university education. During this time, I have actively engaged in self-study through platforms like Udemy, enhancing my skills in modern web technologies under the mentorship of senior developers. This practical experience has been instrumental in advancing my expertise and ability to handle complex projects in a dynamic development environment.

Feel free to visit my portfolio website for a deeper dive into projects and technologies used