# Hilario Junior Nengare

Portfolio: hilariojr.com

GitHub: HilarioNengareJr

Email: hnengare@gmail.com

Mobile: 069-685-8021

## SKILLS

- **Core Skills**: JavaScript, TypeScript, Python, SQL, Git
- **Frameworks**: Next.js, React, Node.js, FastAPI, Express
- **AI & Automation**: OpenAI API, LangChain, LLM Agents, n8n, Coqui TTS
- **Databases**: Supabase (Auth, RLS, Triggers), Firebase, PostgreSQL
- **Frontend & Design**: Tailwind CSS, Bootstrap, Responsive UI/UX, Framer Motion
- **Cloud**: Docker, Vercel, Render, AWS, Google Cloud Functions

## EDUCATION

- **European University of Lefke**  — Lefke, North Cyprus
  *Bachelor of Science in Software Engineering*  — *Jun 2024*
  - **Courses**: Data Structures & Algorithms, Software Project Management, Object Oriented Programming, Database Management
  - **Projects**: Image Transformations in C++, Pizza Ordering GUI using JFrame, Course Register App using PHP

## EXPERIENCE

- **ChitChat AI**  — Cape Town, South Africa
  *Software Engineer*  — *Apr 2025 – Present*
  - **AI Persona Integration for Rain**: Integrated and configured AI customer support personas for Rain's Ask-Rain platform, collaborating closely with Rain's AI team and client liaison to align deliverables with business requirements. Part of a multi-persona payout engagement with an ongoing maintenance contract.
  - **Workflow Automation & Quality Assurance**: Built and maintained automated agent workflows using **n8n**, OpenAI APIs, and LangChain. Drafted persona audits, test plans, and quality assessments to validate persona behaviour and consistency in production.
  - **AI-Powered Development**: Developed AI-driven products and internal tooling using OpenAI APIs, LangChain agents, FastAPI, and Next.js. Implemented scalable agent workflows and automated pipelines.
  - **Fullstack Engineering**: Designed and developed production-ready features across the full stack using TypeScript, Python, Supabase, and modern UI frameworks. Ensured high performance, clean code, and reliability.

- **Lambda Research**  — Cape Town, South Africa
  *Software Engineer (Internship)*  — *Sep 2024 – Dec 2024*
  - **Prototype Development**: Contributed to the development of an automated podcasting prototype, demonstrating solid proficiency in Python and JavaScript.
  - **Problem Solving & Initiative**: Recognized for strong problem-solving skills, proactive learning, and the ability to collaborate effectively in a remote environment.
  - **Code Quality & Documentation**: Delivered high-quality code, maintained excellent documentation, and consistently contributed meaningfully during weekly stand-ups.
  - **Team Contribution**: Praised for communication skills, eagerness to learn, and becoming a valuable member of the engineering team within a short period.

## PERSONAL PROJECTS

- **ChitChat AI Website**: Designed and developed the full production website for **ChitChat AI** (chitchatai.co.za), implementing responsive UI/UX with **React, Tailwind CSS, Lottie animations**, and building reusable component systems across the site.
- **AI Customer Support Assistants (Samantha, Arin, Leila)**: Integrated fully automated AI customer support personas into **Ask Rain** (askrain.rain.co.za), using **OpenAI Assistants API, GPT-4o, LangChain, n8n**, tool calling, conversation memory, and production-grade FastAPI backends.