GUIRAULD TAYON

IT-Student & Full-Stack Developer

@ noumboussitayon@gmail.com ☎ 0176 29053181 ✉ Altheimer Str. 56, 64807 Dieburg
📍 Dieburg, Hessen in https://www.linkedin.com/in/guirauld-noumboussi-tayon-625687175/
 https://github.com/guita237 🌐 Portfolio

EXPERIENCE AND PROJECTS

Studentische Aushilfe IT Operations
StandardLife

📅 Jan 2023 – heute   📍 Frankfurt am Main

- First- and second-level support in the client environment.
- Error analysis and resolution of hardware/software issues; on-site and remote user support.
- Installation and configuration of Windows 7 / Windows 10 systems and peripheral devices.
- Creation of reports and statistics with MS Excel and MS Access.
- Processing user enquiries via a ticket system.

Bachelor Thesis – AI-driven Automation of Software Testing 🌐 thesis.guita.dev
Hochschule Darmstadt

📅 Feb 2025 – May 2025   📍 Darmstadt

- Development of a prototype for automatic test case generation from natural language requirements using GPT-4o, RAG, and semantic similarity.
- Implemented semantic search with SentenceTransformer embeddings and requirement clarity checks (Q&A system).
- Built a backend with Python (Flask) and PostgreSQL; designed a modern UI using React, Vite and TypeScript.
- Containerised the entire application with Docker and deployed it on Hetzner using Nginx reverse proxy.
- Set up CI/CD with GitHub Actions for automated deployment.

We3ve Mobility App 🌐 we3ve.de
Hochschule Darmstadt

📅 Apr 2024 – Jul 2024   📍 Darmstadt

- Enhancement of the existing We3ve mobile app (electromobility, car sharing & booking) with new features and refactoring.
- Stack: Flutter (Frontend), Node.js/Express (Backend), MySQL database.
- **Team Lead of the Testing Team**: responsible for test planning, coordination and overall quality assurance.
- Implemented **mobile UI automation** for the Flutter app using **Maestro**.
- PlayStore deployment support; close collaboration with backend/frontend developers.

Never-have-I-ever – Multiplayer Web App 🌐 nhie.guita.dev
Hochschule Darmstadt

📅 Nov 2023 – Feb 2024   📍 Darmstadt

LANGUAGES

French, German, English

EXTRA-CURRICULAR

- Football player, music, videogames
- Prometheus Certification – Data visualisation (2019)
- Word and Excel: tools and life hacks (2019)
- OpenClassrooms courses
- LinkendIn Learning

- Full-stack development of a real-time multiplayer application with user registration, playlist creation, question management and live interaction.
- Implemented real-time communication and room logic using **Socket.IO**.
- Frontend: React, Vite, TypeScript, Tailwind, Chakra UI.
- Backend: Node.js, Express, MikroORM, PostgreSQL.
- Deployed on **Hetzner Cloud** using Docker, Nginx and GitHub Actions.

Quiz Challenge – Full-Stack Web App 🌐 quizz.guita.dev
Personal Project

📅 2026   📍 Dieburg

- Full-stack quiz application with a structured REST API and dynamic UI.
- Backend: **Java Spring Boot** (REST API, domain logic, MySQL persistence).
- Frontend: **Angular + TypeScript**.
- Deployed on **Hetzner Cloud** using Docker, Nginx and GitHub Actions.
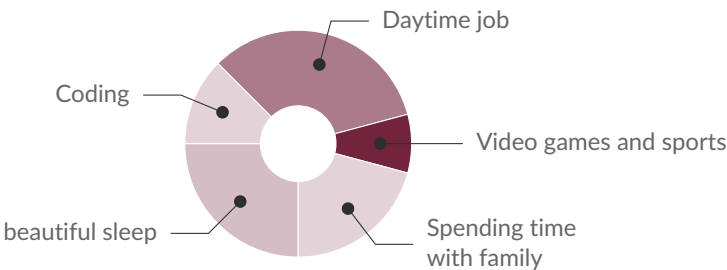- CI/CD implemented with GitHub Actions.

Events Management Platform 🌐 events.guita.dev
Personal Project

📅 2024 – 2025   📍 Dieburg

- Full-stack event management platform deployed on **events.guita.dev**.
- Backend: **TypeScript, Node.js, Express** with PostgreSQL database.
- Frontend: **React, Vite, TypeScript** with reusable component architecture.
- Complete containerisation using Docker; Nginx reverse proxy on Hetzner Cloud.
- Automated CI/CD with GitHub Actions.

A DAY OF MY LIFE

COURSEWORK

| Web Technology | Artificial Intelligence | Cloud Computing |

EDUCATION

Informatik (Master)
TU Darmstadt

📅 Oct 2025 – now

Allgemeine Informatik (Bachelor)
Hochschule Darmstadt

📅 Oct 2020 – June 2025

Software Engineering
National University of Life and Environmental Sciences of Ukraine

📅 Oct 2018 – July 2019

TECHNICAL SKILLS

Azure Cloud · C++ · Java · PHP · Python · TypeScript · JavaScript · React · Angular · Flutter · Node.js / Express · Flask · Java Spring Boot · RESTful APIs · PostgreSQL · MySQL · MongoDB · Docker · Nginx · Hetzner Cloud · GitHub Actions (CI/CD) · GitLab CI/CD · LLM · RAG · Prompt Engineering · OpenCV · UI Testing · Automation Testing · Maestro · Jest · Deployment Google Play

SOFTWARE & TOOLS

Visual Studio Code · MS Visual Studio · Qt Creator · Android Studio · JetBrains IDEs · PSoC Creator · Maestro Studio · MS Office · Fastlane