

SID AHMED REDJINI

Software Engineer — AI Integration & Web

Paris, France · 07 68 18 31 21 · sidprod752@gmail.com · Portfolio: sredjini.dev · LinkedIn: linkedin.com/in/sid-ahmed-redjini-349001303 · GitHub: github.com/sredjini

PROFILE

Software engineer building **AI-integrated products**, **voice agents** and **real-time backends**. Ship production features in **Rust** and **Python**: LLM integration, WebSocket protocols, MCP tool calls, and data pipelines over PostgreSQL and ClickHouse. Comfortable end-to-end — from API and runtime state to frontend and CI/CD.

SKILLS

- **Languages:** Rust, Python, TypeScript / JavaScript, Node.js, SQL, Bash
- **Backend & Systems:** async (Tokio), REST & WebSocket APIs, real-time protocols, axum, concurrency, observability (OpenTelemetry, SigNoz)
- **AI / LLM:** LLM integration, tool-calling agents, MCP, RAG (embeddings, hybrid retrieval, pgvector, evaluation), structured output (JSON Schema), prompt engineering
- **Data:** PostgreSQL, ClickHouse, ETL/ELT, data modeling, BigQuery
- **Frontend & Cloud:** React, Next.js · Azure, Scaleway, Docker, Git, CI/CD

EXPERIENCE

Software Engineer — Free / dataX 03/2026 – 09/2026 · Paris

Rust · Python · TypeScript · LLM · MCP · PostgreSQL · ClickHouse · WebSocket

- Built a **documentation-quality audit engine** in **Rust**: asynchronous pipeline, **LLM** integration (OpenAI-compatible API), **structured JSON output**, bounded concurrency, cooperative cancellation.
- Designed **normalized persistence** across **PostgreSQL** and **ClickHouse**; automated scoring, scheduled audit campaigns, owner notifications.
- Implemented **AI agent monitoring**: tracked MCP/tool-call execution, latency, failures, and traces to improve debugging and reliability.
- Contributed to a **real-time voice agent** (STT · LLM · TTS over WebSocket) and its **MCP** tool integration — enabling **tool-calling** to external services.
- Built the **TypeScript / Next.js** device simulator and protocol tooling: **AsyncAPI** spec with code generation (Modelina) into a shared @free/protocols package, plus a WebSocket playground + mock server for integration testing.

Cloud / FinOps Data Engineer — Innoha 06/2025 – 10/2025

Azure · Azure CLI · Azure Monitor · KQL · Python · Power BI

- Automated **collection of Azure metrics** (Azure CLI, Monitor, KQL) → normalization → historization → BI model (multi-subscription).
- Detected oversizing and cost anomalies; delivered a **€29K/yr** savings recommendation to IT & Finance.

Software Engineer, Internal R&D — Free 07/2024 – 01/2025 · Paris

Python · CI/CD · Docker · Agile

- Built internal **Python automation** (extraction, cleaning) for data quality and reliability, integrated into **CI/CD** pipelines.

PROJECTS

Ardoise — Agentic accounting dictation deployed

Python · TypeScript · FastAPI · LangGraph · RAG · Docker · Render

Live demo: ardoise-1.onrender.com · **GitHub:** github.com/sredjini/ardoise

Multimodal expense assistant: voice/photo/text → extraction → PCG retrieval → deterministic accounting entry → independent verification loop, with tested safeguards.

Voice AI Weather Assistant + MCP server deployed

Python · TypeScript · WebSocket · LLM · MCP · Docker · Render

Live demo: weather-vocal-agent.onrender.com

Browser voice agent over WebSocket performing **MCP tool calls** to a weather API, with a 3D map UI and Docker backend on Render.

EDUCATION

- **42 Paris** — Architecte numérique (certifying track) · 2021 – 2023
- **Université Paris II Panthéon-Assas** — Bachelor of Laws (Public Law) · 2018 – 2021

ADDITIONAL

- **Certification:** Azure Fundamentals (AZ-900) · **Languages:** French (native), English (fluent)
- **Publications:** FinOps & Azure SQL — Dev.to, LinkedIn, Cloud Efficiency Hub (2025)