

SLADE LE ROUX

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SUMMARY

Self-taught full-stack developer with 1+ year of hands-on experience building web applications and backend systems. Experienced with Go, TypeScript, React, PostgreSQL, REST APIs, Docker, and Linux, with a focus on writing maintainable software and understanding backend architecture. Currently seeking a junior software engineering role where I can contribute to production systems while continuing to develop as an engineer.

PROJECTS

Tuwi | *Golang, D-Bus, IPC, NetworkManager, Bubbletea*

June 2026 – Present

A TUI WiFi manager for Linux that interfaces with NetworkManager via D-Bus.

- Designed and implemented a keyboard-driven Terminal User Interface (TUI) leveraging the Charm ecosystem (Bubbletea, Lipgloss) to manage system-level networking.
- Utilized D-Bus IPC (godbus) to asynchronously interface with the NetworkManager system daemon, ensuring thread-safe UI updates during concurrent network state changes.
- Implemented robust error-handling pipelines that display in a neat error modal to gracefully handle hardware disconnects and OS-level signals.
- Implemented D-Bus signal-based UI updates.
- Set up a release pipeline using GitHub Actions.

Sermo | *Typescript, React, Vite, Zustand*

Jan. 2026 – Present

A local web interface for running and testing LLMs via the Ollama API.

- Built a streaming response interface consuming the Ollama API, rendering tokens progressively as they arrive.
- Implemented conversation history and model switching using Zustand for state management.

SKILLS

Languages: Golang, TypeScript/JavaScript

DevOps Tools: Linux, Docker, GitHub Actions, Cloudflare

Tools/Frameworks: Bubbletea, Git, React, NextJS, Astro

Databases: PostgreSQL