

Rolv Apneseth

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Experience

- Junior Front-End Developer**, Kinesense Ltd. – Remote, Ireland Nov 2022 – present
- Primary front-end developer of a web-based video investigation tool built using React, adapting the company's flagship desktop application to serve law enforcement and security clients globally in a more accessible format.
 - Collaborate closely with the senior developer in charge of the project on architectural decisions, ensuring seamless integration between front-end and back-end systems. In addition, conduct thorough code reviews for back-end changes, both to identify potential bugs and remain updated on relevant functionality.
 - Build maintainable custom components (e.g. interactive video timeline with events, video overlays for motion detection, progress indicators for video import and analysis) using modern features like hooks to minimise complexity while still enhancing user experience.
 - Leverage Redux for state management and RTKQuery for efficient API handling, ensuring scalability and robust debugging capabilities.
 - Develop comprehensive unit tests with Jest and maintain Azure DevOps CI/CD pipelines, ensuring high code quality and reliability.
- Junior Front-End Developer**, Bottletop Media – Remote, Ireland Sept 2021 – Nov 2022
- Optimised and maintained websites for over 1000 existing clients using modern HTML, CSS, and JavaScript.
 - Implemented custom styling and interactive features for clients, leading to increased customer satisfaction.
 - Using modern CSS and a touch of VB.NET, created demo websites with unique, custom layouts for big potential clients, greatly increasing their interest in the company's product.
 - Developed a custom Selenium (browser automation) script in Python to automate the creation of page structures on the company's proprietary CMS software for new clients' websites, speeding up the initial setup stage by over 200%.

Skills

Languages: Rust | TypeScript | JavaScript | Lua | Python | Bash | Go
Technologies: React | Redux | HTML | CSS | SCSS | Tailwind CSS | Docker | GitHub Actions | OpenAPI
Interests: Open-Source Software | Linux | Self-Hosting | Computer Building
Soft Skills: Focused | Self-Driven | Fast Learner | Pragmatic | Adaptable
Natural Languages: English | Portuguese | Norwegian

Personal Projects

- World Wonders API** Docs [🔗](#) | Code [🔗](#)
- An API written in Rust using Axum, which provides information about famous architectural wonders from around the world, created to explore back-end technologies as well as my interest in history.
 - Developed a Docker image for seamless self-hosting, accessible via Docker Hub, and provided detailed documentation through a web page along with an OpenAPI specification.
 - Automated CI/CD processes using GitHub Actions, including running unit and integration test, rebuilding the Docker image, and deploying it to the VPS, leading to an improved developer experience with a one-step deployment process.
- frankfurter-rs** Crate [🔗](#) | Docs [🔗](#) | Code [🔗](#)
- Rust library and CLI to interface with Frankfurter, a currency exchange rate API, to enable efficient retrieval and processing of exchange rate data via safe and correct bindings.
 - Implemented custom, restrictive types to validate dates and currency values, ensuring only valid data is sent to API.
 - Created comprehensive unit and integration tests, including property based tests for custom types to ensure they can handle any inputs. Tests are only run against locally hosted versions of the API setup via a custom docker-compose file, for efficient testing without impacting the public API.

Open Source Contributions

Yazi [🔗](#) (Rust | Tokio): A modern terminal file manager
language-tool-rust [🔗](#) (Rust | Tokio | Clap): Rust bindings to connect with a LanguageTool server API
rustywind [🔗](#) (Rust): Formatting tool for sorting Tailwind CSS classes
wpaperd [🔗](#) (Rust | Linux): Minimal wallpaper daemon for Wayland on Linux
libmacchina [🔗](#) (Rust | Linux): A Rust library providing access to all sorts of system information
macchina [🔗](#) (Rust): CLI tool for displaying system information
tldr [🔗](#) (Docs | Linux): A collection of help pages for command-line tools