

# Rolv Apneseth

## Software Developer

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rolvapneseth.xyz

Rolv-Apneseth

### Experience

#### Junior Developer @ Kinesense Ltd.

NOV 2022 – PRESENT

- Develop the majority of the frontend for transforming the company's flagship desktop application (a video editing tool for surveillance footage) into a web-based platform utilising TypeScript and React.
- Use Redux to manage intricate application state and leverage RTKQuery for caching API responses, while employing Bootstrap and custom SASS stylesheets for clean, consistent styling.
- Implement extensive unit testing using Jest, and maintain Azure DevOps CI/CD workflows.

#### Junior Developer @ Bottletop Media

SEPT 2021 – NOV 2022

- Maintained and updated websites for existing clients through the utilisation of HTML, CSS, JavaScript, and occasionally VB.NET.
- Implemented unique designs and features using modern CSS and JavaScript functionality
- 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.

### Skills

#### Languages

Rust · Lua · Python · Bash/Shell (Unix) · SQL · Markdown  
JavaScript · TypeScript · HTML · CSS

#### Tools / Frameworks

Axum · Tokio · Tracing · Nom · Criterion · Leptos · Serde  
SSH · Git · Azure Devops · Docker · GitHub Actions  
React · Redux · RTKQuery · Bootstrap · TailwindCSS · SASS  
Flask · SQLAlchemy · PyQt5 · PyGame

### Personal Projects

#### Speed Typer PYPI PACKAGE | CODE

Python, PyQt5, PyQtGraph, NLTK, SQLite3

- A GUI application made using the PyQt5 library for Python, made for practising typing with a modern, minimalistic UI
- Leveraged the NLTK library to generate near endless sources of text for a user to practise with
- Implemented a system which allows users to track their progress with the use of an SQLite3 database

#### World Wonders API DEMO | CODE

Rust, Docker, Axum, Serde, Tracing

- An API providing information about famous wonders from around the world, such as the Colosseum, the Taj Mahal, and many more
- Self-hosting is made easy via a Docker image available on Docker Hub. Documentation is also provided in the form of a web page which also includes an OpenAPI specification
- Automated CI/CD processes using GitHub Actions, including testing the code, rebuilding the Docker image, and deploying it to the server

#### rofi-games CRATES LIBRARY | CODE

Rust, Nom, Tracing, Criterion

- A plugin for the Rofi application launcher on Linux, which adds a mode for launching games available on a user's system.
- Games are parsed at runtime from various common sources, allowing a user to efficiently access their entire gaming collection in a single, light-weight launcher