

Frontend - Tech Stack

Repository: [finmars-platform/finmars-vue-portal](#) and [finmars-platform/finmars-portal](#) and [finmars-platform/finmars-workflow-portal](#)

Overview

This document describes the technology stack used in the Vue Portal frontend.

Language

- **JavaScript / TypeScript**

Framework

- **Vue 3** (main frontend framework)
- **Angular.js** (for [finmars-platform/finmars-portal](#))

Build Tool

- **Vite**

State Management

- **Pinia**

Router

- **Vue Router**

UI / Styling

- **CSS / SCSS**
- **TailwindCSS** or UI component library (Naive UI / Element Plus / Vuetify)

API Layer

- **HTTP Client:** likely **Axios**
- Backend: **Django REST Framework** (from core), communication over REST/JSON

Authentication

- **Keycloak** (mandatory integration). Client library: `keycloak-js`

Environment & Config

- `.env` files for environment variables (e.g., `VITE_*`) — exact names to be confirmed

Testing

- **E2E Testing:** Cypress / Playwright (separate repository)

Linting & Formatting

- **ESLint, Prettier** — rules and configs

CI/CD

- **GitHub Actions** (build and deploy). Build process based on **Dockerfile**

Containerization

- **Docker** (`Dockerfile`)
- **Docker Compose** for local development — to be confirmed

Observability

- Logging and monitoring for the frontend — Sentry

License

- **EUPL-1.2** (repository license)

finmars-vue-portal package.json

```
{
  "private": true,
  "scripts": {
    "build": "nuxt build ",
    "build:web-component": "vite build",
    "dev": "nuxt --rootDir=./v/ dev -p=3000",
    "dev-local": "NUXT_APP_BUILD_ASSETS_DIR=/realm00000/v/_nuxt/ API_HOST=http://0.0.0.0:8000 AUTH_HOST=http://0.0.0.0:8083/authorizer nuxt --rootDir=./v/ dev --host=0.0.0.0",
    "start": "PORT=8080 node .output/server/index.mjs",
    "generate": "nuxt generate",
    "preview": "nuxt preview",
    "test": "vitest",
    "coverage": "vitest run --coverage"
  },
  "author": "Finmars SCSA",
  "license": "EUPL-1.2",
  "devDependencies": {
    "@nuxt/test-utils": "^3.12.1",
    "@nuxtjs/tailwindcss": "^6.12.1",
    "@types/sanitize-html": "^2.13.0",
    "@vitest/coverage-v8": "3.2.4",
    "@vue/test-utils": "^2.4.5",
    "consola": "^3.2.0",
    "eslint": "^8.24.0",
    "eslint-plugin-vue": "^9.6.0",
```

```
    "happy-dom": "^17.0.0",
    "nuxt": "^3.11.0",
    "postcss-mixins": "^10.0.1",
    "prettier": "3.3.3",
    "sass": "1.85.1",
    "unplugin-auto-import": "^0.16.6",
    "unplugin-vue-components": "^0.25.1",
    "vite-plugin-commonjs": "^0.10.1",
    "vitest": "3.2.4"
  },
  "dependencies": {
    "@chenfengyuan/vue-qrcode": "^2.0.0",
    "@finmars/ui": "1.0.87",
    "@formbricks/js": "1.1.2",
    "@kyvg/vue3-notification": "^2.4.1",
    "@pinia/nuxt": "^0.5.1",
    "@vue/web-component-wrapper": "^1.3.0",
    "ace-builds": "^1.36.2",
    "chart.js": "^3.9.1",
    "click-outside-vue3": "^4.0.1",
    "dayjs": "^1.11.7",
    "esbuild": "^0.25.5",
    "eslint-config-prettier": "^9.1.0",
    "eslint-plugin-prettier": "^5.2.1",
    "floating-vue": "^5.2.2",
    "grid-layout-plus": "^1.0.6",
    "jquery": "^3.7.1",
    "jsondiffpatch": "^0.6.0",
    "jstree": "^3.3.17",
    "keycloak-js": "^21.0.1",
    "lodash": "^4.17.21",
    "pdfjs-dist": "^4.0.269",
    "pinia": "^2.0.24",
    "qrcode": "^1.5.1",
    "sanitize-html": "^2.13.1",
    "swiper": "^10.0.4",
    "vue": "^3.4.23",
    "vue-matomo": "^4.2.0",
    "vue3-ace-editor": "^2.2.2",
    "vuedraggable": "^4.1.0"
  }
}
```

}

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