Contents

1 gitread_react-admin

Primary Language: typescript **Project Type:** Web Frontend **Complexity:** Complex **Generated:** 2025-06-02T09:31:53.659495

1.1 Table of Contents

1.2 Technology Stack

This project leverages modern technologies and frameworks to deliver a robust, scalable, and maintainable solution. The technology choices reflect current industry best practices and ensure optimal performance and developer experience.

1.2.1 Programming Languages

- **typescript** (Primary): 76.2% - 1489 files
- **markdown**: 16.2% - 317 files
- **json**: 3.7% - 72 files
- **javascript**: 2.0% - 39 files
- **html**: 0.7% - 14 files
- **css**: 0.5% - 10 files
- **yaml**: 0.4% - 8 files
- **shell**: 0.3% - 5 files

1.2.2 Development Tools

- **Modern Development Stack**: Industry-standard tools and practices
- **Code Quality Tools**: Linting, formatting, and testing utilities
- **Build Optimization**: Automated bundling and optimization processes

1.2.3 File Breakdown

Language	Files	Percentage	Purpose
typescript	1489	76.2%	Application development and functionality
markdown	317	16.2%	Application development and functionality
json	72	3.7%	Application development and functionality
javascript	39	2.0%	Application development and functionality
html	14	0.7%	Application development and functionality
css	10	0.5%	Application development and functionality
yaml	8	0.4%	Application development and functionality
shell	5	0.3%	Application development and functionality

1.2.4 Architecture Overview

- **Modular Design**: Clean separation of functionality and concerns

- **Scalable Structure**: Organized codebase for easy maintenance
- **Best Practices**: Following industry standards and conventions
- **Documentation**: Comprehensive code documentation and comments

1.3 Usage

[Usage examples to be documented]

1.4 Project Structure

```
gitread_react-admin/
    __mocks__/
        @popperjs/
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    cypress/
        e2e/
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        support/
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            ...
        cypress.config.js
        package.json
        server.js
        start.js
        tsconfig.json
        webpack.config.js
    docs/
        _includes/
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js/
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    ...
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_config.yml
AccordionForm.md
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addRefreshAuthToDataProvider.md
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AuthRBAC.md
AutocompleteArrayInput.md
AutocompleteInput.md
AutoPersistInStore.md
AutoSave.md
BooleanField.md
BooleanInput.md
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CreateReactApp.md
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DatagridAG.md
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DataProviderWriting.md
DataTable.md
DateField.md
DateInput.md
DateRangeInput.md
DateTimeInput.md
Demos.md
documentation.html
DualListInput.md
Ecosystem.md
Edit.md
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EditGuesser.md
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Labeled.md
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ListTutorial.md
LocalesMenuButton.md
LongForm.md
MarkdownField.md
MarkdownInput.md
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MenuLive.md
MultiLevelMenu.md
navigation.html
NextJs.md
NullableBooleanInput.md
NumberField.md
NumberInput.md
OldVersions.md
Pagination.md
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PasswordInput.md
Permissions.md
PredictiveTextInput.md
PrevNextButtons.md
RadioButtonGroupInput.md
Readme.md
Realtime.md
RealtimeDataProvider.md
RecordRepresentation.md
Reference.md
ReferenceArrayField.md
ReferenceArrayInput.md
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ReferenceInput.md
ReferenceManyCount.md
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ReferenceManyInput.md
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ReferenceManyToManyInput.md
ReferenceNodeInput.md
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ReferenceOneInput.md
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Search.md
SearchInput.md
SearchWithResult.md
SecurityGuide.md
SelectArrayInput.md
SelectColumnsButton.md
SelectField.md
SelectInput.md
Show.md
ShowBase.md
ShowDialog.md
ShowGuesser.md
ShowInDialogButton.md
ShowLive.md
ShowTutorial.md
SimpleForm.md
SimpleFormIterator.md
SimpleList.md
```

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SimpleShowLayout.md
SingleFieldList.md
SmartRichTextInput.md
SolarLayout.md
SortButton.md
StackedFilters.md
Store.md
SX.md
TabbedForm.md
TabbedShowLayout.md
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TextField.md
TextInput.md
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TranslationLocales.md
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TranslationTranslating.md
TranslationWriting.md
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TreeWithDetails.md
Tutorial.md
UnitTesting.md
UpdateButton.md
Upgrade.md
UrlField.md
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useAuthProvider.md
useAuthState.md
useCanAccess.md
useChoicesContext.md
useCreate.md
useCreateContext.md
useCreateController.md
useDataProvider.md
useDefineAppLocation.md
useDelete.md
useDeleteMany.md
useEditContext.md
useEditController.md
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useFieldValue.md
useGetIdentity.md
useGetList.md
useGetListLive.md
useGetLock.md
useGetLockLive.md
useGetLocks.md
useGetLocksLive.md
useGetMany.md
useGetManyReference.md
useGetOne.md
useGetOneLive.md
useGetRecordId.md
useGetRecordRepresentation.md
useGetTree.md
useInfiniteGetList.md
useInput.md
useList.md
useListContext.md
useListController.md
useLocaleState.md
useLock.md
useLockOnCall.md
useLockOnMount.md
useLogin.md
useLogout.md
useMediaQuery.md
useNotify.md
usePermissions.md
usePublish.md
useRecordContext.md
useRecordFromLocation.md
useRedirect.md
useRefresh.md
useRegisterMutationMiddleware.md
useRemoveFromStore.md
useResetStore.md
useSaveContext.md
useShowContext.md
useShowController.md
useStore.md
useStoreContext.md
useSubscribe.md
useSubscribeCallback.md
useSubscribeToRecord.md
useSubscribeToRecordList.md
useTheme.md
useTranslate.md
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    useUnique.md
    useUnlock.md
    useUnselect.md
    useUnselectAll.md
    useUpdate.md
    useUpdateMany.md
    Validation.md
    Vite.md
    withLifecycleCallbacks.md
    WithListContext.md
    WithPermissions.md
    WithRecord.md
    WizardForm.md
    WrapperField.md
examples/
    crm/
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    data-generator/
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    demo/
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    README.md
greenframe/
    catalog.js
    customers.js
    sales.js
packages/
    create-react-admin/
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    ra-core/
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    ra-data-fakerest/
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    ra-data-graphql/
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    ra-data-graphql-simple/
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ra-data-json-server/
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ra-data-local-forage/
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ra-data-local-storage/
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ra-data-simple-rest/
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ra-i18n-i18next/
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ra-i18n-polyglot/
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ra-input-rich-text/
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ra-language-english/
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ra-language-french/
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ra-no-code/
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        ra-ui-materialui/
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        react-admin/
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    scripts/
        check-documentation-videos-format.sh
        copy-ra-oss-docs.sh
        create-github-release.ts
        release.sh
        update-changelog.ts
        update-create-react-admin-deps.ts
        update-milestones.ts
        update-sandbox.sh
        vercel-storybook.sh
    CHANGELOG.md
    eslint.config.mjs
    jest.config.js
    lerna.json
    LICENSE.md
    Makefile
    package.json
    README.md
    test-global-setup.js
    test-setup.js
    tsconfig.json
    UPGRADE.md
    vercel.json
    yarn.lock
```

1.4.1 Directory Description

- `__mocks__/`: [Description needed]
- `cypress/`: [Description needed]
- `docs/`: [Description needed]
- `examples/`: [Description needed]
- `scripts/`: [Description needed]
- `packages/`: [Description needed]

- `greenframe/`: [Description needed]

1.5 License

This project is licensed under the terms specified in the `LICENSE.md` file.

1.6 Project Summary & Goals

2 gitread_react-admin - Comprehensive Project Plan

Repository: [GitHub Repository URL] **Primary Language:** typescript **Project Type:** Application **Complexity:** Low **Last Updated:** June 02, 2025

2.1 Table of Contents

2.1.1 Overview

A frontend Framework for building single-page applications running in the browser on top of REST/GraphQL APIs, using TypeScript, React and Material Design. Open sourced and maintained by marmelab.

Home page - Documentation - Examples - Blog - [Releases](https://g

2.1.2 Primary Goals

• **Functionality:** Deliver core features with high reliability and performance • **Maintainability:** Ensure clean, well-documented, and extensible codebase • **User Experience:** Provide intuitive and efficient user interactions • **Quality:** Maintain high code quality with comprehensive testing

2.1.3 Target Audience

• Developers and software engineers • Technical teams and project stakeholders • Students and learners in software development • Anyone interested in modern software architecture

2.2 Key Features & Use Cases

2.2.1 Core Features

- **Backend Agnostic**: Connects to any API (REST or GraphQL, see the list of more than 45 adapters)
- **All The Building Blocks You Need**: Provides hooks and components for authentication, routing, forms & validation, datagrid, search & filter, relationships, validation, roles & permissions, rich text editor, i18n, notifications, menus, theming, caching, etc.
- **High Quality**: Accessibility, responsive, secure, fast, testable
- **Great Developer Experience**: Complete documentation, IDE autocompletion, type safety, storybook, demo apps with source code, modular architecture, declarative API
- **Great User Experience**: Optimistic rendering, filter-as-you-type, undo, preferences, saved queries
- **Complete Customization**: Replace any component with your own
- **Opt-In Types**: Develop either in TypeScript or JavaScript
- Powered by Material UI, react-hook-form, react-router, react-query, TypeScript and a few more

2.2.2 Use Cases

• **Development Learning:** Educational resource for software development • **Production Deployment:** Ready-to-use solution for real-world applications • **Code Reference:** Example implementation for similar projects • **Foundation Framework:** Starting point for custom development

2.2.3 Feature Highlights

• **Professional Architecture:** Well-structured and maintainable codebase • **Modern Technologies:** Built with current industry standards • **Scalable Design:** Prepared for future growth and enhancements

2.3 Setup Instructions

This section provides comprehensive instructions for setting up the development environment and running the project locally. Follow these steps carefully to ensure a smooth setup process.

2.3.1 Prerequisites

Before you begin, ensure you have the following software installed on your system:

- **Git** for version control
- **Code Editor** (VS Code, Sublime Text, etc.)
- **Terminal/Command Line** access

2.3.2 System Requirements

2.3.2.1 Minimum Requirements

- **Operating System**: Windows 10, macOS 10.15, or Linux (Ubuntu 18.04+)
- **RAM**: 4GB minimum, 8GB recommended
- **Storage**: 2GB free space
- **Internet Connection**: Required for initial setup and dependencies

2.3.2.2 Recommended Specifications

- **RAM**: 16GB for optimal performance
- **CPU**: Multi-core processor (Intel i5/AMD Ryzen 5 or better)
- **Storage**: SSD for faster build times

2.3.3 Step-by-Step Installation

2.3.3.1 Step 1: Clone the Repository

```
# Clone the repository
git clone https://github.com/username/gitread_react-admin.git

# Navigate to project directory
cd gitread_react-admin
```

2.3.3.2 Step 2: Install Dependencies

2.3.3.3 Step 3: Verify Installation

2.3.3.4 Step 4: Environment Setup

1. **Copy environment template:**

   ```
   cp .env.example .env
   ```

2. **Configure environment variables** (see Configuration section)

3. **Initialize database** (if applicable):

   ```
   # Run database migrations
   npm run migrate
   # or for Python projects
   python manage.py migrate
   ```

2.4 Configuration Required

This section outlines all necessary configuration steps to ensure the application runs correctly in your environment. Proper configuration is essential for security, performance, and functionality.

2.4.1 Environment Variables

Environment variables are used to configure the application for different environments (development, staging, production) and to store sensitive information securely.

2.4.1.1 Required Variables

Create a `.env` file in the project root directory and configure the following variables:

```
# Application Settings
APP_ENV=development
APP_DEBUG=true
APP_PORT=3000

# Database Configuration
DATABASE_URL=your_database_connection_string

# API Keys and Secrets
API_SECRET_KEY=your_secret_key
ENCRYPTION_KEY=your_encryption_key
```

2.4.2 Build Configuration

2.4.3 Security Configuration

2.4.3.1 Important Security Notes

- **Never commit** `.env` files to version control
- **Use strong passwords** and secure API keys
- **Enable HTTPS** in production environments
- **Regularly update** dependencies for security patches
- **Implement rate limiting** for API endpoints

2.4.3.2 Environment-Specific Settings

Environment	Debug Mode	HTTPS	Database	Caching
Development	Enabled	Optional	Local	Disabled
Staging	Limited	Required	Remote	Enabled
Production	Disabled	Required	Remote	Enabled

2.5 Major Components & Modules

2.6 Development

2.6.1 Development Setup

1. Follow the installation instructions
2. Install development dependencies
3. Set up your development environment

2.6.2 Build Commands

```
make build
make test
make clean
```

2.7 Execution Plan

2.8 Development

2.8.1 Development Setup

1. Follow the installation instructions
2. Install development dependencies
3. Set up your development environment

2.8.2 Build Commands

```
make build
make test
make clean
```

2.9 Development Workflow

2.10 Development

2.10.1 Development Setup

1. Follow the installation instructions
2. Install development dependencies
3. Set up your development environment

2.10.2 Build Commands

```
make build
make test
make clean
```

2.11 Testing Strategy

2.12 Testing

No tests found in the repository. Consider adding tests to improve code quality.

2.13 Deployment Checklist

2.14 Deployment

2.14.1 Production Considerations

- Environment variables configuration
- Database setup and migrations
- Security considerations
- Monitoring and logging

2.15 Troubleshooting & Tips

2.16 Development

2.16.1 Development Setup

1. Follow the installation instructions
2. Install development dependencies
3. Set up your development environment

2.16.2 Build Commands

```
make build
make test
make clean
```

2.17 Performance Optimization

2.18 Development

2.18.1 Development Setup

1. Follow the installation instructions
2. Install development dependencies
3. Set up your development environment

2.18.2 Build Commands

```
make build
make test
make clean
```

2.19 Contributing Guidelines

2.20 Development

2.20.1 Development Setup

1. Follow the installation instructions
2. Install development dependencies
3. Set up your development environment

2.20.2 Build Commands

```
make build
make test
make clean
```

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