

Low-code tool

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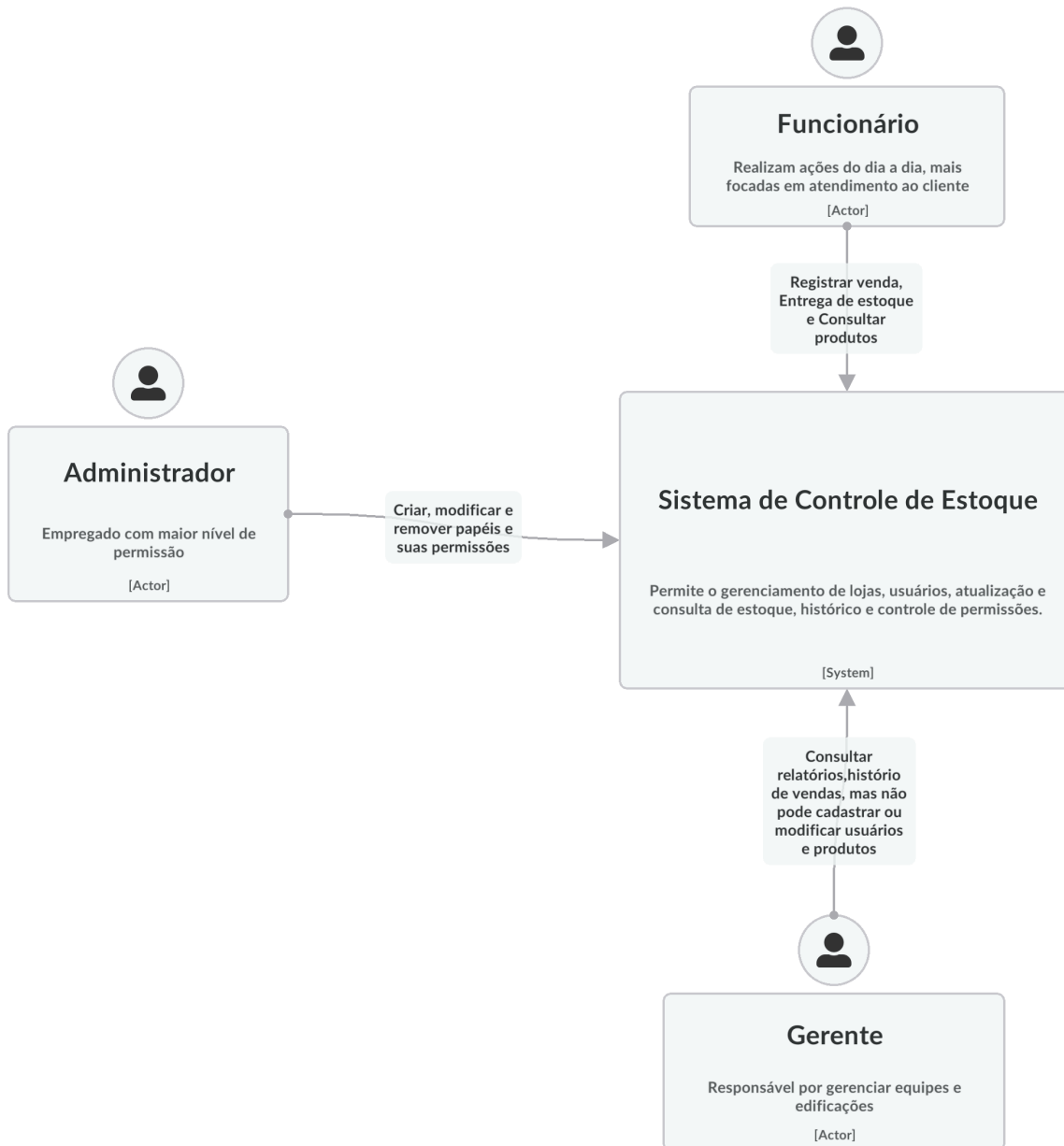
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1. Context diagrams

1a. Context Diagram



2. Actors

2.1. Administrador

Empregado com maior nível de permissão

2.2. Funcionário

Realizam ações do dia a dia, mais focadas em atendimento ao cliente

2.3. Gerente

Responsável por gerenciar equipes e edificações

2.4. User

User that visits the website published by a builder

2.5. Usuário

Empregado

3. Systems

3.1. Cloudflare for SaaS

External

Custom DNS, Firewall

Cost: Medium

Cloudflare

3.2. DataBase

External

Cost: High

No description

3.2.1. Apps

3.2.1.1. Functions

External

Firebase V2 NodeJS Functions running on us-servers

Cloud Functions

3.2.2. Stores

3.2.2.1. Firebase Storage

External

Bucket where assets for the published websites are stored

Cloud Storage

3.2.2.2. Firestore Database

External

Database that stores the user data, websites and subscriptions

Firestore

3.2.2.3. MySQL DataBase

External

Armazena todos os dados da aplicação

MySQL

3.3. Google Analytics

External

Analytics Platform for Builder Usage Analytics

Cost: Low

Google Analytics

3.4. Mixpanel

External

Analytics Platform for Builder Usage Analytics

Cost: Low

Mixpanel

3.5. Plausible (Self-Hosted)

Privacy-friendly Google Analytics alternative

Cost: Low

Plausible Analytics

3.5.1. Apps

3.5.1.1. ElasticIP

Amazon EC2 Elastic IP Address

No description

3.5.1.2. Plausible self-hosted EC2

Amazon Elastic Compute Cloud (EC2)

No description

3.6. Posthog

External

Analytics Platform for Builder Usage Analytics & AB Testing

Cost: Low

PostHog

3.7. Sign in with Apple

Apple identity

No description

3.8. Sistema de Controle de Estoque

Permite o gerenciamento de lojas, usuários, atualização e consulta de estoque, histórico e controle de permissões.

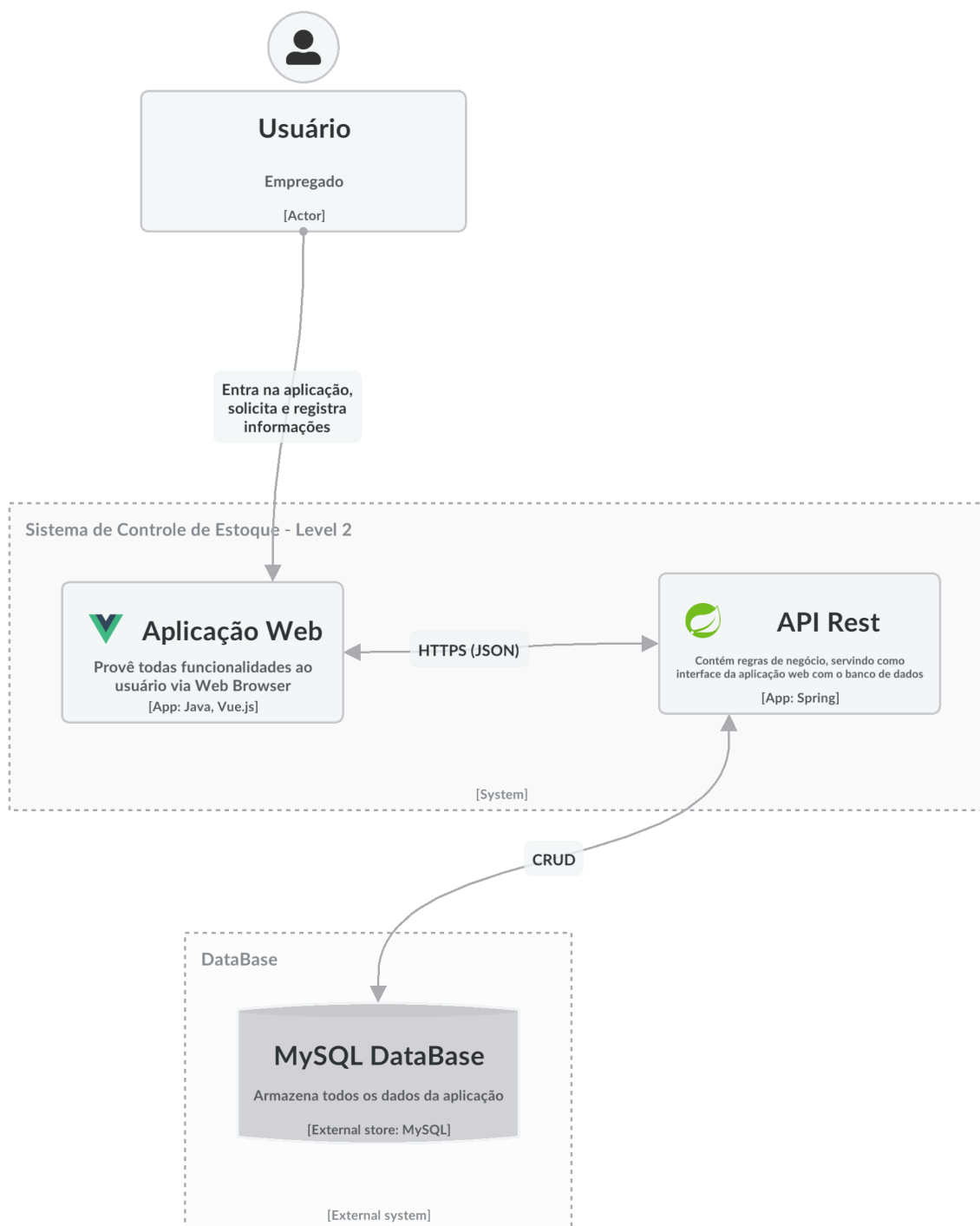
3.9. Sistema de Controle de Estoque - Level 2

No description

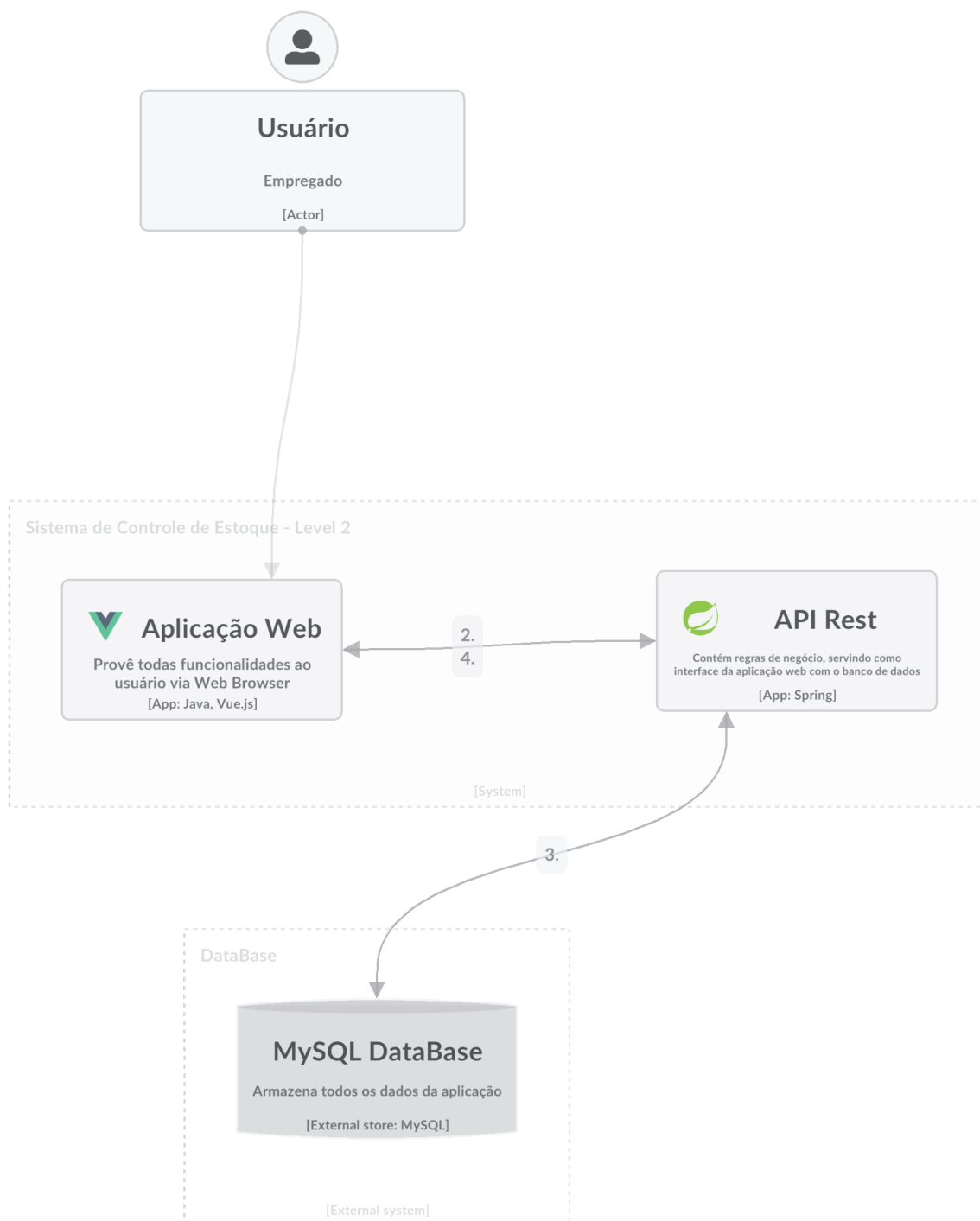
3.9.1. App diagrams

3.9.1a. Sistema de Controle de Estoque - Level 2 Authentication Diagram

The process to authenticate a user in the PolarSpace platform



3.9.1b. Authentication Flow



- Step 2: API Rest -> Aplicação Web: Submit authentication type and data to via HTTPS (JSON)
- Alternate path: Apple Path
- Alternate path: Email Path
- Step 4: API Rest -> MySQL DataBase: Fetch user profile, including permissions via CRUD

- Step 5: Aplicação Web -> API Rest: Return user data and auth token for future requests via HTTPS (JSON)

3.9.2. Apps

3.9.2.1. API Service

Communicate with GCP Functions

Risk: High

Cost: Medium

NodeJS

3.9.2.2. API Rest

Contém regras de negócio, servindo como interface da aplicação web com o banco de dados

Risk: High

Cost: Medium

Spring

3.9.2.3. Aplicação Web

Provê todas funcionalidades ao usuário via Web Browser

Risk: Medium

Cost: Medium

Java

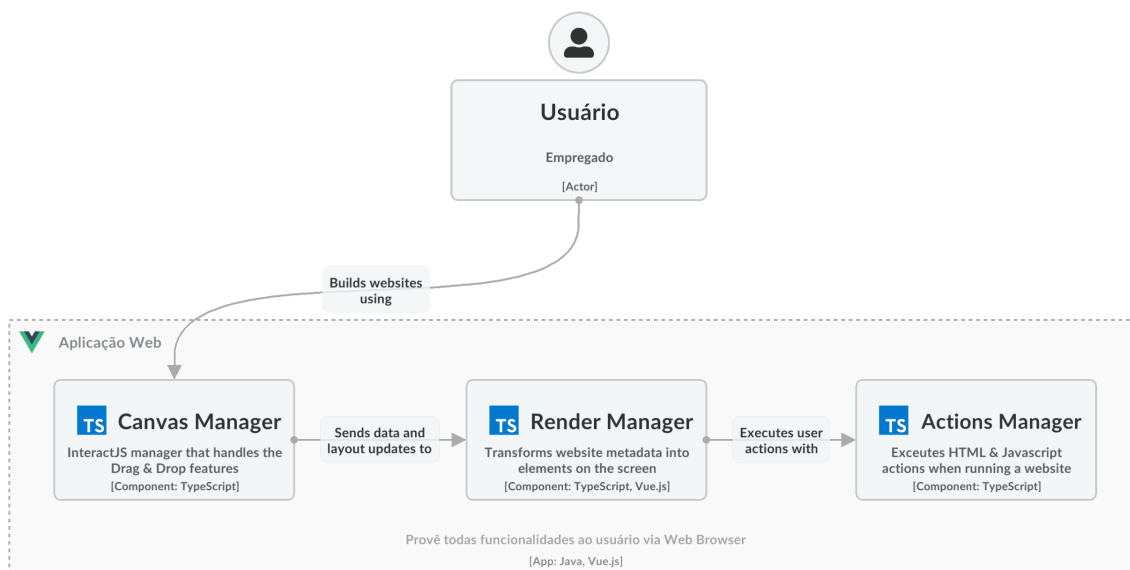
Vue.js

3.9.2.3.1. Component diagrams

3.9.2.3.1a. Aplicação Web Web Front End

This diagram explains

- Shows the different components within the SPA Vue Frontend



3.9.2.3.2. Components

3.9.2.3.2a. Actions Manager

Executes HTML & Javascript actions when running a website

TypeScript

3.9.2.3.2b. Canvas Manager

InteractJS manager that handles the Drag & Drop features

TypeScript

3.9.2.3.2c. Render Manager

Transforms website metadata into elements on the screen

TypeScript

Vue.js

3.9.2.4. Email Service

Cost: Low

Risk: Low

NodeJS

No description

3.9.2.5. Publish Service

Orchestrates website releases, versioning, and deployments

Risk: High

Cost: Medium

NodeJS

3.9.2.6. Subscription Service

Check user subscription status to the PolarSpace platform

Risk: High

Cost: Medium

NodeJS

3.10. Slack

External

Internal Communication Platform

Cost: Low

Slack

3.11. Stripe

External

Payment processing & NoCode checkout pages

Cost: High

Stripe

3.12. Website Renderer

Self-hosted container that renders published websites

Cost: Medium

Amazon Web Services (AWS)

3.12.1. Apps

3.12.1.1. ECS NextJS Website Renderer

Container service in charge of replicating and rendering published websites

Amazon Elastic Container Service (ECS)

Next.js

3.12.1.2. Global Accelerator

AWS Global Accelerator

No description

3.12.1.3. Load Balancer

Elastic Load Balancing (ELB)

No description