

Technology Stack Overview

Application - .NET Core

A cross-platform, high-performance framework for building modern, cloud-based, and internet-connected applications, including web APIs, web apps, and microservices.

Web Server - NGINX / Apache

NGINX is a high-performance HTTP and reverse proxy server ideal for static content and load balancing. Apache is a robust open-source web server supporting dynamic modules like PHP.

DMS - LogicalDOC

An open-source document management system that helps store, manage, and track electronic documents and images.

CMS - Umbraco

A powerful, flexible open-source .NET-based CMS used for creating and managing digital content on websites.

Database - PostgreSQL

A powerful, open-source object-relational database system known for its reliability, feature robustness, and performance.

Mobile App - Flutter

An open-source UI toolkit by Google to build natively compiled applications for mobile, web, and desktop from a single codebase using Dart.

Container - Docker

A platform that packages applications into containers-standardized executable components with all dependencies included.

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Orchestration - Kubernetes

An open-source platform for automating deployment, scaling, and operations of application containers.

API Gateway - Ocelot

A lightweight .NET API Gateway for microservices architecture providing routing, request aggregation, and security.

Circuit Breaker - Polly

A .NET library for resilience and fault handling providing policies such as Retry, Circuit Breaker, Timeout, and Fallback.

Message Queue - RabbitMQ

An open-source message broker that enables applications to communicate asynchronously using messaging protocols.

Service Discovery - Consul

A service mesh solution that provides service discovery, health checking, configuration, and segmentation.

Analytics & Visualization - Smart Pulse

A monitoring and visualization tool for performance metrics and analytics (assuming a proprietary or lesser-known tool).

Version Control - Git

A distributed version control system that enables teams to collaborate on code development and manage code history efficiently.

Log Analytics - ELK Stack

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Elasticsearch (search engine), Logstash (data pipeline), and Kibana (visualization) work together to process and analyze log data.

IDAM & SSO - Keycloak

An open-source Identity and Access Management solution offering SSO, LDAP integration, user federation, and MFA.