Technical Documentation

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  - Infrastructure
  - Database Architecture
- Application Architecture
  - Frontend Architecture

Plan for Writing Technical Documentation

Overview:

A high-level description of the system, its purpose, and its components. This should include the website's objectives and the role of the architecture in achieving these goals.

System Architecture:

Architecture Diagram: Visual representation of the system architecture.

Infrastructure: Details about the hosting environment, servers, cloud services, and network setup.

Database Architecture: Information about the database systems used, including schemas and data flow diagrams.

Security Architecture: Details about security measures, including authentication, authorization, encryption, and data protection.

Application Architecture:

Frontend Architecture: Information about the front-end technologies, frameworks, and structure.

Backend Architecture: Details on backend technologies, server-side logic, APIs, and services.

Integration Points: Documentation on how different parts of the application interact and integrate with external systems or services.

Development Environment:

Code Repository: Information about version control systems and repository structure.

Build and Deployment Process: Details on build tools, CI/CD pipelines, and deployment strategies.

Testing: Information about testing frameworks and strategies, including unit, integration, and performance testing.

Performance and Scalability:

Performance Metrics: Key performance indicators and performance testing results.

Scalability Strategies: Approaches used for scaling the application, both horizontally and vertically.

Disaster Recovery and Backup: Procedures and systems in place for data backup, disaster recovery, and business continuity.

Documentation and Resources:

API Documentation: Detailed documentation of APIs, including endpoints, request/response formats, and use cases.

External Resources: Links to external resources, libraries, or services used in the architecture.

Change Management:

Change Log: Record of significant changes to the architecture.

Upgrade Paths: Strategies and procedures for upgrading system components.

Best Practices and Guidelines: Coding standards, architectural best practices, and guidelines for contributing to the project.

FAQs and Troubleshooting: Common issues and their solutions, along with frequently asked questions.

Contact Information: Details of the system architects, developers, and other key personnel responsible for the system's development and maintenance.

Overview

This will serve as an overview of the system architecture.

System Architecture

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Architecture Diagram

Infrastructure

Database Architecture

Information about the database systems used, including schemas and data flow diagrams.

Application Architecture

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Backend Architecture: Details on backend technologies, server-side logic, APIs, and services.

Integration Points: Documentation on how different parts of the application interact and integrate with external systems or services.

Application Architecture

Frontend Architecture

Information about the front-end technologies, frameworks, and structure.