



App Architecture Document Template

Keep the key technical decisions of your application in one place.

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An architecture document helps you keep the overview, onboard new team members or freelancers quickly and understand decisions later. Fill in the sections that are relevant to your project. Short and current beats long and outdated.

1 DOCUMENT INFORMATION

FIELD	CONTENT
Project	
Owner	
Version	
Date	
Status	Draft / In review / Approved

2 PURPOSE & SCOPE

What problem does the application solve, for whom, and what is deliberately out of scope?

Problem

Target group / users

Goals

Non-goals

3 SYSTEM OVERVIEW

Sketch the main parts and how they connect (e.g. browser → frontend → API → database → external services).

Sketch / diagram

COMPONENT	TECHNOLOGY	RESPONSIBILITY

4 TECH STACK

AREA	TECHNOLOGY	REASON
Frontend		
Backend / API		
Database		
Authentication		
Hosting		
External services		

5 DATA MODEL

The most important data objects. Mark personal data and define how long it is kept.

OBJECT	KEY FIELDS	PERSONAL DATA?	RETENTION

6 DATA FLOWS

Describe the two or three most important flows step by step, e.g. sign-up or the core feature.

Flow 1

Flow 2

Flow 3

7 INTERFACES (APIS)

ENDPOINT	METHOD	AUTH REQUIRED?	DESCRIPTION

8 SECURITY & PRIVACY

Login method and roles

Where are secrets (API keys) stored?

Which personal data is processed?

Server location / country

Processors (external services with data access)

9 HOSTING, DEPLOYMENT & OPERATIONS

Environments (development, staging, production)

Deployment process

Backups and restore

Monitoring and alerts

10 NON-FUNCTIONAL REQUIREMENTS

Performance (e.g. load time)

Availability

Scaling (expected number of users)

Monthly cost budget

11 DECISION LOG

Record important technical decisions so they can be understood later.

DATE	DECISION	REASON	REJECTED ALTERNATIVES

12 RISKS & OPEN QUESTIONS

RISK / QUESTION	IMPACT	MITIGATION / OWNER

Tip: keep this document as a file in your project repository (e.g. docs/architecture.md) and update it with every major change.

Questions or need support?

I help small businesses and founders build secure AI tools and automations. The intro call is free.

www.switech-solution.com