

Related Roadmaps

✓

 Backend Roadmap

✓

 Full Stack Roadmap

✓

 System Design Roadmap

✓

 Software Design & Architecture

Find the detailed version of this roadmap along with other similar roadmaps

roadmap.sh

Software Architecture

Describes how an application is built including its components, how they interact with each other, environment in which they operate and so on.

Software Architect

A software expert who makes high level software design choices, including technical standards, tools, design principles, platforms to be used, etc.

What is Software Architecture

What is a Software Architect

Levels of Architecture

Application Architecture

Solution Architecture

Enterprise Architecture

Java / Kotlin / Scala

PythonRubyGo

JavaScript / TypeScript

.NET Framework Based

Programming Languages

Patterns & Design Principles

MVC, MVP, MVVM

CQRS, Eventual Consistency

OOPActors

ACID, CAP Theorem

SOLIDTDDDDD

Reactive Programming

Functional Programming

React, Vue, Angular

SPA, SSR, SSG

Microfrontends

W3C and WHATWG

PMIITILRUP

Prince2

Certifications

Management

LeSSSaFEXP

KanbanScrum

Agile Model

MS Dynamics

SAP ERP, HANA, Business Objects

EMC DMSIBM BPM

Salesforce

Software Architect

Understand the Basics

Responsibilities

Tech Decisions

Design & Architecture Decisions

Requirements Elicitation

Documentation

Enforcing Standards

Collaborate with Others

Consult & Coach Developers

Technical Skills

Tools

Architecture

Microservices

Serverless

Client / Server

Layered

Distributed Systems

Service Oriented

Web, Mobile

Frameworks

BABOK

IAF

UML

TOGAF

Networks

OSI

TCP/IP Model

HTTP, HTTPS

Proxies

Firewalls

Enterprise Software

Security

Working with Data

APIs & Integrations

gRPC

ESB, SOAP

RESTGraphQL

BPM, BPEL

Messaging Queues

Operations Knowledge

Enterprise Software

Design & Architecture

Decision Making

Simplifying Things

How to Code

Important Skills to Learn

Documentation

Communication

Estimate and Evaluate

Balance

Consult & Coach

Marketing Skills

Hashing Algorithms

PKIOWASP

Auth Strategies

Hadoop, Spark, MapReduce

ETL, Datawarehouses

SQL Databases

NoSQL Databases

Analytics

Apache SparkHadoop

Datawarehouse Principles

Infrastructure as Code

Cloud Providers

Serverless Concepts

Linux / Unix

Service Mesh

CI / CD

Containers

Cloud Design Patterns

Visit DevOps Roadmap

Visit the following relevant roadmaps and keep learning

Backend

System Design

Software Design & Architecture