

NestJS:

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NestJS is an open-source framework for building efficient, scalable Node.js server-side applications.

NestJS was built with full support for TypeScript (JavaScript is still supported).

Combines element of Object-Oriented Programming, Functional Programming and Reactive Programming.

Under the hood...

NestJS makes use of robust HTTP server frameworks (default: Express.js).

It provides a level of abstraction above these frameworks, which makes it incredibly joyful to code in TypeScript. However, it still exposes the original APIs directly to the developers.

This allows us to, for example, use Express-specific libraries even when using NestJS.

The Philosophy Behind NestJS

The rise of popular web technologies such as Angular, React and Vue has massively improved the development experience.

However, while Node.js (for the server-side) has plenty of great libraries, none of them effectively solves the main problem of **architecture**.

NestJS provides an out-of-the-box application architecture which allows developers and teams to create highly testable, scalable, loosely coupled and easy-to-maintain applications.

The NestJS CLI

The NestJS CLI is a command-line interface tool that helps you to initialize and develop your applications.

It has many benefits – from scaffolding a project, to building a well-structured application.

It is possible to generate a project and generate schematics in a project using the CLI. This leaves almost no room for mistakes in terms of project structure.

Using the CLI to generate projects and schematics can save you a lot of time writing boilerplate code.

Official NestJS Documentation

The NestJS documentation is well-maintained and contains a lot of information about techniques, recipes and real examples.

<https://docs.nestjs.com>