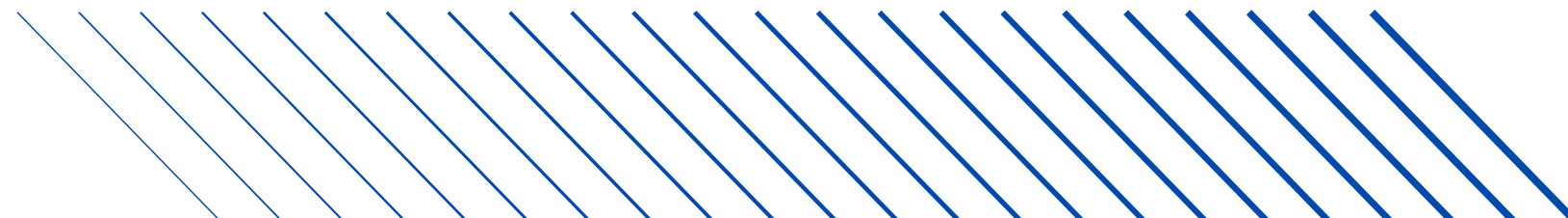
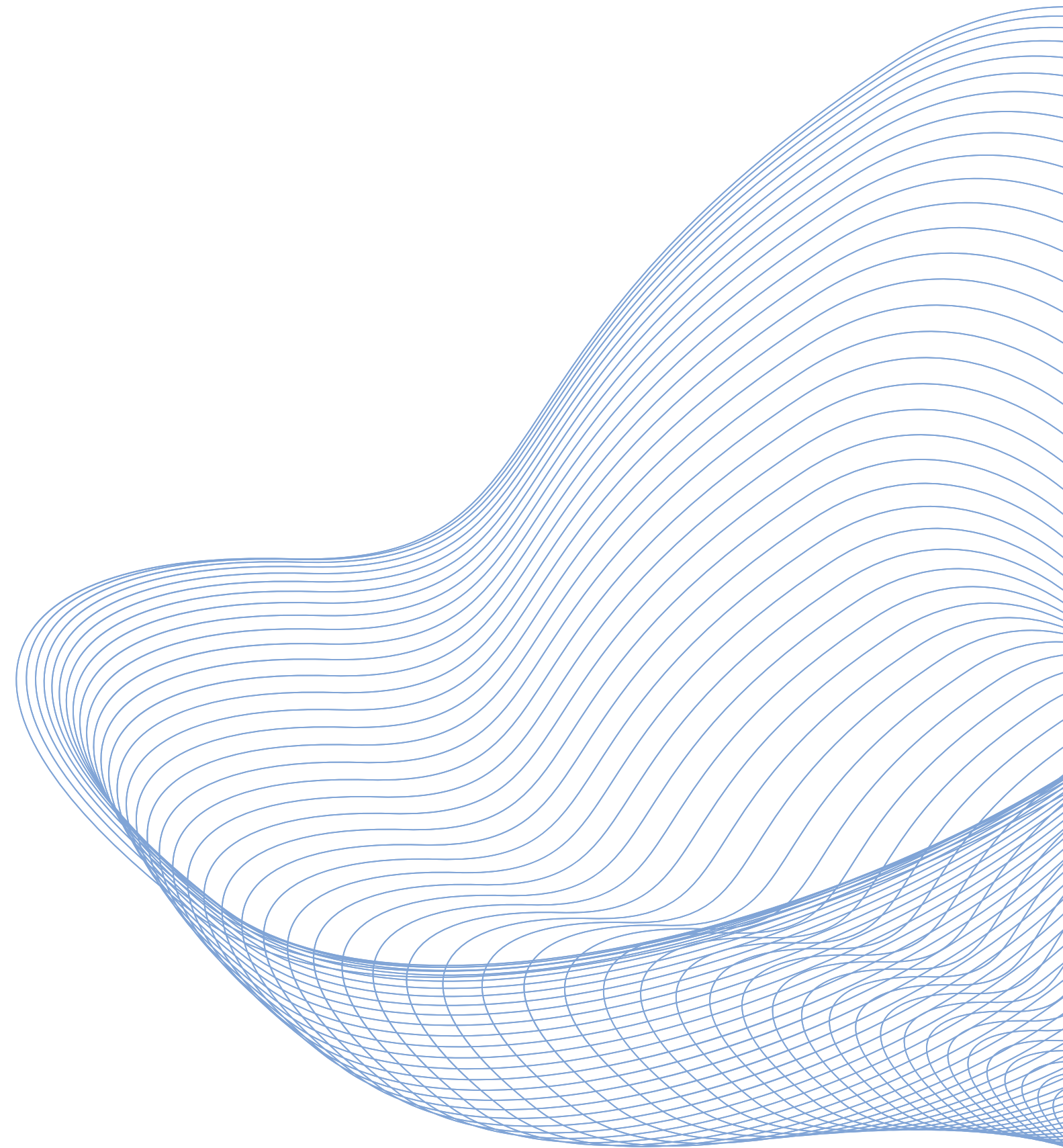


AVESTAN TECHNOLOGIES PROFILE

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SOFTWARE DEVELOPMENT COST ESTIMATION PROCESS SIMPLIFIED

Looking for clearer cost estimates to
develop a custom software solution?

Connect with an Expert



1. TYPE OF SOFTWARE

- **NEW SOFTWARE DEVELOPMENT – NEW SOFTWARE, INCLUDING CUSTOM SOFTWARE DEVELOPMENT**
- **SOFTWARE MODIFICATION – THE PROCESS OF ENHANCING EXISTING BUSINESS SOFTWARE**
- **SOFTWARE INTEGRATION – ADDING A CUSTOM CODE TO INTEGRATE EXISTING SOFTWARE INTO OTHER PROCESSES. THIS WOULD INCLUDE PLUGINS AND PACKAGES SUCH AS “OFFICE” AND MANIPULATING DATA FLOWING BETWEEN AN INVENTORY AND AN ACCOUNTING SYSTEM**
- **WEB DEVELOPMENT – CUSTOM WEB-BASED SOFTWARE DEVELOPMENT**

2. SIZE OF THE PROJECT

THE NEXT CRITICAL FACTOR IS TO DETERMINE THE SIZE OF A PROJECT. THE PROJECT SIZE IS TYPICALLY CORRELATED TO THE FEATURES AND FUNCTIONALITIES OF THE PRODUCT YOU ARE BUILDING. THIS MEANS THE MORE COMPLEX YOUR PROJECT IS, THE BIGGER THE SIZE OF THE PROJECT WILL BE.

- SMALL-SIZED DEVELOPMENT**

A SMALL SOFTWARE PROJECT USUALLY NEEDS MINOR CHANGES. TYPICALLY, CHANGES SUCH AS BUG FIXING AND TWEAKS TO THE USER INTERFACE FALL UNDER SMALL-SIZED SOFTWARE DEVELOPMENT. HERE, CLIENT INTERACTION IS USUALLY LIMITED.

APPROXIMATE SOFTWARE DEVELOPMENT COST RANGE – \$10,000 – \$50,000 BASED ON THE LEVEL OF MODIFICATIONS

- **MEDIUM-SIZED DEVELOPMENT**

HERE THE ENGAGEMENTS ARE MORE SUBSTANTIAL THAN JUST SMALL TWEAKS AND INCLUDE A WELL-DEFINED SCOPE OF DELIVERABLES. TYPICALLY, MEDIUM-SIZED SOFTWARE DEVELOPMENT DEALS WITH A SINGLE SOURCE OF DATA. PROJECTS LIKE MOBILE APPLICATION DEVELOPMENT WITH SIMPLE FUNCTIONALITIES, ENHANCING THE WEB INTERFACE TO THE EXISTING INVENTORY SYSTEM, OR UPGRADING THE UI/UX INTERFACE OF THE CURRENT WEBSITE OR APP WOULD FALL UNDER THIS CATEGORY.

APPROXIMATE SOFTWARE DEVELOPMENT COST RANGE – \$30,000 – \$100,000

- **LARGE-SIZED DEVELOPMENT**

THESE SOLUTIONS INCLUDE COMPLEXITY AND DEPTH. LARGE-SIZED SOFTWARE DEVELOPMENT ASKS FOR A BROAD DATABASE, INTEGRATING MULTIPLE SYSTEMS, AND ADDRESSING LOGGING AND SECURITY FEATURES. IF YOUR PROJECT HAS TO BE MAINTAINED AND SCALED IN THE FUTURE, TWO COMMON STEPS WOULD BE DESIGNING AN UNDERLYING FRAMEWORK AND MODULE-BASED SYSTEMS

APPROXIMATE SOFTWARE DEVELOPMENT COST RANGE – \$80,000 – \$200,000

ENTERPRISE-SIZED DEVELOPMENT

1. **SOFTWARE INTEGRATION – ADDING A CUSTOM CODE TO INTEGRATE EXISTING SOFTWARE INTO OTHER PROCESSES. THIS WOULD INCLUDE PLUGINS AND PACKAGES SUCH AS “OFFICE” AND MANIPULATING DATA FLOWING BETWEEN AN INVENTORY AND AN ACCOUNTING SYSTEM**

APPROXIMATE SOFTWARE DEVELOPMENT COST RANGE – \$100,000 – \$300,000

SOFTWARE DEVELOPMENT COST ESTIMATION AS PER TECHNICAL COMPLEXITY:

Type of Software	Differentiating Qualities	Time Frame	Cost (Approx)
Basic Software	Basic feature list, simple UI/UX design, no 3rd party APIs, standard data	3-5 Months	\$30,000 – \$100,000
Medium Complex Software	Average feature list including payment integration, real-time data analytics, chatbots for communication, personalized UI/UX design, device integration, etc.	6-9 Months	\$80,000 – \$200,000
Highly Complex Software	Complex UI/UX design, development, complete feature set with 3rd Party APIs, data-synchronization, encryption, optimized performance, multiple software compatibility	10+ Months	\$100,000 – \$300,000

HOW TO ESTIMATE SOFTWARE DEVELOPMENT TIME-FRAME?

How to Estimate Software Development Time?

Size of the project	Small	Medium	Large	Enterprise
Development Time	Weeks	Weeks	Months	Months
Software Modification	1-2	2-6	2-6	4+
Software Development	3-6	4-8	6-18	6+
Software Integration	2-6	2-6	6-12	6+
Building from scratch	4-8	3-8	6-18	8+

