

Engineering the Technology Behind Digital Transformation

Web

Mobile

Full Stack

Cloud

Data

AI

Blockchain

Enterprise

The PiTangent approach

- The right technology is not the one that is most popular. It is the one that solves the right problem, fits the business, and scales with the product.
- Modern development technologies, engineering expertise and flexible delivery models to help businesses build, modernize and scale digital products.
- From a single application to an enterprise technology ecosystem, turn technology decisions into working solutions.

Technology That Serves the Business

Technology is a business decision

Choosing a technology stack is not simply about selecting a programming language or framework. It affects:

- Development speed
- Security
- Talent availability

- Product performance
- Maintenance
- Long-term cost

- Scalability
- Integration
- Future product evolution

Our Engineering Philosophy



Underst
and the
problem



Select the
right
architecture



Test and
validate



Evaluate
the
options



Build with
the right
technology



Deploy
and scale

Our Objective

Build technology that works today and
remains ready for tomorrow.

Our Technology Landscape

One engineering partner. Multiple technology capabilities.

PiTangent's technology capabilities span the complete digital product lifecycle.

WEB & FRONTEND

Angular | React.js | Vue.js
Responsive, interactive and scalable web applications.

BACKEND & APPLICATION ENGINEERING

Node.js | Laravel | Symfony | .NET | CakePHP | CodeIgniter
Secure, scalable APIs, business applications and enterprise platforms.

FULL-STACK ENGINEERING

Frontend + Backend + Database + API + Deployment
Complete applications through integrated engineering teams.

MOBILE

Flutter | React Native | Swift | Kotlin | Java Android
Native and cross-platform mobile experiences.

DATA & ANALYTICS

Python | R
Data-driven applications, analytics systems, machine learning solutions and intelligent platforms.

BLOCKCHAIN

Hyperledger Enterprise-focused distributed ledger and blockchain applications.

Technology by Business Requirement

WEB APPLICATION

Angular | React.js | Vue.js | Node.js | .NET | Laravel

MOBILE APPLICATION

Flutter | React Native | Swift | Kotlin | Java Android

SAAS PLATFORM

Node.js | Laravel | Symfony | .NET | React.js | Angular | Vue.js

DATA / ANALYTICS

Python | R | Full-Stack Engineering

ENTERPRISE APPLICATION

.NET | Java Android | Node.js | Laravel | Symfony | Full-Stack

BLOCKCHAIN

Hyperledger

MODERNIZE EXISTING SOFTWARE

Technology assessment | Architecture review | Migration | Refactoring | Integration | Optimization

Web & Frontend Engineering

Build digital experiences that perform

Modern web applications need to be fast, responsive, secure and easy to evolve. PiTangent develops web applications using modern frontend technologies combined with scalable backend architectures.

Angular

Structured, enterprise-grade web applications and complex business interfaces.

React.js

Flexible, component-based applications, dashboards, customer platforms and modern product experiences.

Vue.js

Lightweight, flexible and interactive applications, portals and single-page experiences.

What We Build

- Enterprise web applications
- Admin dashboards
- Real-time applications

- SaaS platforms
- Business applications
- E-commerce interfaces

- Customer portals
- Single-page applications
- API-driven frontends

Engineering Priorities

Performance

Responsiveness

Accessibility

Maintainability

Scalability

Custom applications, APIs, single-page applications, portals, migration and ongoing maintenance/support.

Angular Development

Angular is well suited to applications that require structured architecture, reusable components, robust development practices and maintainability at scale.

APPLICATION DEVELOPMENT

Custom applications around business workflows.

API INTEGRATION

REST APIs and backend services.

MIGRATION & UPGRADE

Modernize existing applications and move toward newer Angular capabilities.

PERFORMANCE OPTIMIZATION

Identify bottlenecks and improve application responsiveness.

MAINTENANCE & SUPPORT

Keep applications stable, secure and maintainable.

IDEAL FOR

Enterprise Applications | SaaS | Business Platforms | Customer Portals

React.js Development

React.js enables component-based frontend development that can support highly interactive and scalable product experiences.

• SaaS interfaces • Customer portals • E-commerce experiences • Enterprise platforms • Web applications • Dashboards • Interactive applications

React capabilities

Custom application development

Component-based architecture

API integration

Performance optimization

Scalability

Application modernization

Ideal For: SaaS Products | Startups | Enterprise Platforms | Customer-Facing Applications

Vue.js & Backend Engineering

Vue.js Development

Vue.js offers a flexible approach to building modern web interfaces and applications.

- Single-page applications
- Customer platforms
- Custom web applications
- Cross-platform experiences
- Business portals
- Real-time applications
- Interactive dashboards

Vue.js capabilities

Custom application development

Single-page applications

API integrations

Portal development

Migration to Vue.js

Application maintenance

Performance optimization

Ideal For: Interactive Applications | Portals | SaaS | Business Applications

Backend Development

The technology behind reliable digital products

A great user interface needs a strong foundation behind it.

PiTangent develops backend systems, APIs and business logic that support secure, scalable and maintainable applications.

NODE.JS

Scalable, API-driven and real-time applications.

LARAVEL

Modern PHP applications, business platforms and rapid product development.

SYMFONY

Structured, modular PHP applications and complex enterprise requirements.

.NET

Robust enterprise applications, APIs and business systems.

CAKEPHP

Efficient PHP application development and maintenance.

CODEIGNITER

Lightweight PHP applications and rapid development.

Node.js & Laravel Development

Node.js enables efficient server-side JavaScript development and is particularly suitable for applications requiring responsive APIs, real-time functionality and scalable backend services.

- SaaS applications
- Real-time applications
- Customer portals
- Microservices
- REST APIs
- Business platforms
- Backend systems
- Integration platforms

Node.js capabilities

- API Development
- Real-Time Applications
- Third-Party Integration (payment systems, CRMs, ERPs and external services)
- Application Modernization
- Maintenance & Optimization

Ideal For: SaaS | Startups | Real-Time Applications | APIs | Digital Platforms

Laravel Development

Laravel provides an efficient framework for building modern PHP applications with clean architecture, reusable components and rapid development capabilities.

- Business applications
- E-commerce platforms
- Enterprise applications
- Content-driven platforms

Laravel capabilities

Custom application development

API development

Database integration

Authentication

Third-party integrations

Application modernization

Symfony & .NET Development

Symfony Development

Symfony is suited to applications where modular architecture, flexibility, and long-term maintainability are important.

• Enterprise applications • APIs • Content platforms • Custom business platforms • SaaS applications • Integration systems

Symfony capabilities

Application Development

API Development

Migration & Modernization

Integration

Maintenance

Ideal For: Enterprise Applications | Complex Business Systems | SaaS Platforms

Symfony Development

.NET is well suited to enterprise applications that require reliability, structured architecture, security, and integration with business systems.

• Enterprise applications • APIs • Workflow systems • Integration platforms • Business management platforms • Customer portals • Internal applications

.NET capabilities

Custom app development

API development

Cloud-ready apps

Enterprise integrations

Database-driven apps

App modernization

Maintenance and support

Ideal For: Enterprise | BFSI | Healthcare | Manufacturing | Business Applications

PHP Engineering Across Frameworks

More than a single framework

PiTangent's PHP capabilities extend across multiple frameworks, allowing teams to work with both modern and established application ecosystems.

LARAVEL

Modern application development and SaaS

SYMFONY

Structured and modular enterprise applications

CAKEPHP

Efficient application development and maintenance

CODEIGNITER

Lightweight applications and rapid development

Our PHP Capabilities

New application development

API development

Performance optimization

Legacy application maintenance

Database integration

Security improvements

Framework migration

Third-party integrations

Continuous support

The Advantage

The right framework depends on the application - not the other way around.

Full-Stack Development

One team across the complete technology stack

Full-stack engineering brings frontend, backend, database, API and deployment capabilities together. This allows businesses to build products with fewer technology silos and stronger coordination between engineering layers.

FRONTEND

Angular | React.js | Vue.js

BACKEND

Node.js | Laravel | Symfony | .NET | PHP Frameworks

MOBILE

Flutter | React Native | Swift | Kotlin | Java Android

DATA

Python | R | Databases | Analytics

INTEGRATION

REST APIs | Third-Party APIs | Enterprise Systems

DEPLOYMENT

Cloud | CI/CD | Application Infrastructure

Full-Stack Engineering

What We Build

SaaS platforms

Digital products

Customer portals

Internal platforms

Enterprise applications

Business applications

E-commerce platforms

Ideal For: Startups | SMEs | Enterprises | Product Companies

Mobile Application Development

Build for the devices your customers use every day

Mobile applications need to combine usability, performance, security and reliability. PiTangent provides both native and cross-platform mobile engineering capabilities.

CROSS-PLATFORM

Flutter - multiple platforms using a shared development approach.

React Native - cross-platform mobile experiences using a React-based development ecosystem.

NATIVE

Swift - iOS applications with native Apple technologies.

Kotlin - modern Android applications.

Java Android - develop and maintain Android applications using Java.

Mobile Capabilities

Mobile application development

Payment integration

Authentication

Maintenance and support

UI/UX implementation

Push notifications

Third-party integrations

API integration

Location services

App modernization

Flutter & React Native Development

Cross-platform mobile experiences

Flutter Development

Flutter enables businesses to build mobile experiences across platforms while maintaining a consistent product experience.

- iOS applications • Business applications • E-commerce apps
- Android applications • Customer applications • Enterprise mobility solutions

Flutter capabilities

Cross-Platform Development

UI/UX

API Integration

Strategy

Flexible hiring models

Application Modernization

Ideal For: Startups | SaaS Companies | Customer Apps | Business Mobility

React Native Development

React Native allows businesses to develop mobile applications using a React-based ecosystem while supporting multiple mobile platforms.

- iOS applications • Customer apps • E-commerce application
- Android applications • Business applications • Mobile portals

React Native capabilities

Cross-platform development

API integration

Native functionality integration

UI/UX implementation

Performance optimization

Application maintenance

Swift iOS & Android Development

Swift iOS Development

Swift enables native iOS application development with a focus on performance, reliability and integration with Apple's ecosystem.

- iPhone applications • Business applications • Enterprise mobility solutions
- iPad applications • Customer applications

Swift capabilities

- Native iOS development
- API integration
- Payment integration
- Data integration
- Application migration
- Performance optimization
- Maintenance and support
- Team augmentation
- Application consulting

Android Development

PiTangent supports Android development through both Kotlin and Java, enabling businesses to build new applications as well as maintain and modernize existing Android products.

KOTLIN

Best suited for modern Android application development and enterprise mobility.

JAVA ANDROID

Useful for established Android ecosystems and applications with existing Java codebases.

- Android applications • E-commerce applications • Customer applications
- Enterprise mobility solutions • Business applications • API-connected mobile applications

Android capabilities

- Application development
- API integration
- Performance optimization
- Maintenance

Data & Analytics Engineering

Turn data into intelligence

Modern businesses generate data across applications, customers, transactions, operations and connected systems. PiTangent uses technologies such as Python and R to develop data-driven applications, analytical systems and intelligent solutions.

Data Capabilities

DATA ANALYSIS

Understand patterns, trends, and business performance.

DATA VISUALIZATION

Turn complex information into clear dashboards and visual insights.

MACHINE LEARNING

Develop predictive and intelligent systems.

STATISTICAL ANALYSIS

Apply statistical methods to understand data and support decisions.

DATA INTEGRATION

Connect data from multiple systems and sources.

Business Outcomes

Better decisions

Faster insights

Predictive capabilities

Greater visibility

Python Development

Build intelligent, data-driven applications

Python is widely used across application development, automation, data science and artificial intelligence.

- Web applications
- Data platforms
- Automation systems
- Backend services
- APIs
- AI/ML applications
- Analytics solutions

Python capabilities

Application Development

AI & Machine Learning

Data Engineering

Automation

Analytics

Ideal For: AI/ML | Data Science | Analytics | Automation | Backend Engineering

R Development & Enterprise Blockchain

R Development

R is particularly valuable for statistical analysis, data exploration, visualization, and data-driven research. PiTangent's R capabilities can help organizations turn complex datasets into understandable insights.

- Data analysis solutions
- Data visualization
- Predictive models
- Statistical models
- Analytics applications
- Reporting solutions

R capabilities

Statistical Analysis

Data Visualization

Machine Learning

Data Integration

Ideal For: Analytics Teams | Research | Data Science | Business Intelligence

Hyperledger & Enterprise Blockchain

Build trust into digital transactions

Blockchain can help businesses create transparent, traceable, and distributed systems where multiple participants need a trusted source of information. PiTangent provides Hyperledger-focused development capabilities for enterprise blockchain use cases.

- Blockchain applications • Decentralized applications • Chaincode • Distributed ledger solutions • Smart contracts • Enterprise blockchain integrations

Hyperledger capabilities

Application Development

Hyperledger Fabric/Sawtooth development

Smart Contracts & Chaincode

Consulting

Migration & Upgrades

Maintenance & Support

Ideal For: Enterprise Networks | Supply Chain | Asset Tracking | Shared Records | Multi-Party Ecosystems

Technology Modernization

Modern technology without unnecessary disruption

Technology should evolve as your business evolves. When an existing application becomes difficult to maintain, slow, expensive or difficult to scale, replacing everything at once is not always the right answer. PiTangent helps businesses evaluate and modernize existing technology progressively.

Our Modernization Process

ASSESS

Review architecture, codebase, dependencies and infrastructure.

IDENTIFY

Find technical debt, bottlenecks, risks and modernization opportunities.

PRIORITIZE

Determine which components should be improved first.

MODERNIZE

Refactor, migrate, re-architect or replace components where appropriate.

INTEGRATE

Connect modernized components with existing business systems.

OPTIMIZE

Improve performance, reliability and scalability.

Technologies We Can Modernize

PHP

Laravel

Symfony

CakePHP

CodeIgniter

.NET

Node.js

Angular

React.js

Vue.js

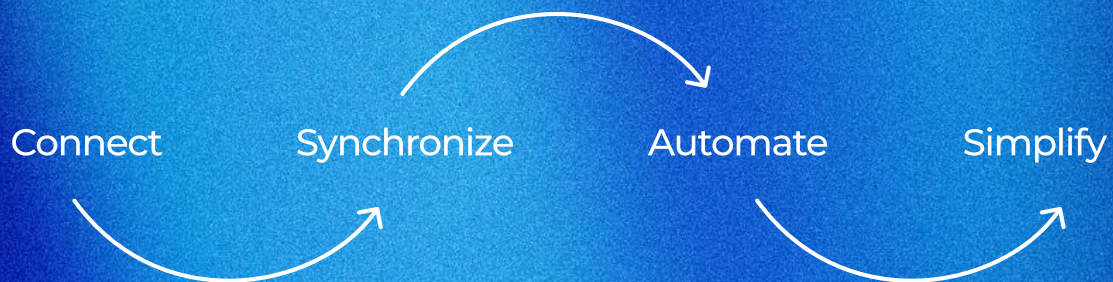
Mobile Applications

API & Integration Engineering

Integration Capabilities

- REST APIs
- Application-to-application integration
- CRM integration
- Mobile-to-backend integration
- Authentication
- Third-party API integration
- Payment integration
- ERP integration
- Data synchronization
- Workflow automation

The Objective



Result

Fewer disconnected systems

Less manual data entry

Better visibility

More efficient workflows

Engineering & Quality

Built for performance, security & maintainability

Technology selection is only one part of successful software engineering. Our development approach considers the complete product lifecycle.

PERFORMANCE

Applications designed to remain responsive as usage grows.

SECURITY

Security considerations incorporated into application architecture and development.

SCALABILITY

Architecture designed to support future users, transactions, and functionality.

MAINTAINABILITY

Clean, structured engineering that makes future changes easier.

INTEGRATION

APIs and integration layers designed to connect your technology ecosystem.

TESTING

Functional, integration and application testing throughout development.

CONTINUOUS IMPROVEMENT

Technology should evolve continuously as business requirements change.

Technology Selection Framework

We do not choose technology first. We understand the problem first.

BUSINESS REQUIREMENTS

What problem are we solving?

USER REQUIREMENTS

Who will use the product and how?

FUNCTIONAL COMPLEXITY

How complex are the workflows and integrations?

SCALE

How many users, transactions and systems need to be supported?

PERFORMANCE

What response times and availability are required?

SECURITY

What data, compliance and access requirements exist?

EXISTING ECOSYSTEM

What technologies and systems already exist?

DEVELOPMENT & MAINTENANCE

What will the long-term product lifecycle look like?

Right technology decision: The goal is not to use the newest technology. The goal is to use the right technology for the business.

Technology Engagement Models

Access the technology expertise you need

PROJECT-BASED DEVELOPMENT

For defined projects; engineering capability from requirements to delivery. Best for: MVPs, applications, platforms and defined development projects.

DEDICATED DEVELOPMENT TEAM

A team working continuously on your product. Best for: SaaS, product companies and long-term development.

STAFF AUGMENTATION

Add developers with required skills. Best for: Capacity gaps, specialized technology requirements and accelerated delivery.

TECHNOLOGY CONSULTING

Evaluate requirements and identify an appropriate technical direction. Best for: Technology selection, modernization and architecture planning.

HOURLY / MONTHLY / FIXED

Select an engagement structure based on project requirements; these options are promoted across several developer capabilities.

Our Engineering Process

From technology decision to production

DISCOVER

Understand your business, product, users and technical requirements.

ARCHITECT

Define the technology stack, application architecture and integration strategy.

DESIGN

Translate requirements into intuitive user experiences and technical specifications.

DEVELOP

Build the application using appropriate technologies and engineering practices.

TEST

Validate functionality, performance, security and usability.

DEPLOY

Move the application into production with appropriate infrastructure.

SUPPORT

Maintain, monitor, optimize and evolve the solution.

Technology + Services

Technology is the foundation. Engineering makes it work.

Technology



Engineering

Web development | Mobile development | SaaS | MVP | Full-stack |
AI/ML | Data & analytics | Cloud | DevOps | Enterprise applications

Business outcome

Launch faster | Modernize | Automate | Scale | Improve
Experience | Reduce Technology Friction

Why PiTangent?

Technology expertise with a business-first mindset

MULTI-TECHNOLOGY EXPERTISE

Access engineers across web, backend, mobile, data, blockchain and full-stack development.

END-TO-END CAPABILITIES

From architecture and UX to development, integration, deployment and maintenance.

FLEXIBLE ENGAGEMENT

Choose project development, dedicated teams, staff augmentation or consulting.

SCALABLE ENGINEERING

Build technology that can evolve with your users, business and roadmap.

MODERNIZATION EXPERTISE

Improve existing applications without unnecessarily disrupting business operations.

INDUSTRY UNDERSTANDING

Technology is developed with consideration for your industry, users and business workflows.

LONG-TERM PARTNERSHIP

The objective is not simply to deliver code - it is to help create technology that continues to support your business.

PiTangent Technology Stack

At a glance

FRONTEND

Angular | React.js | Vue.js

BACKEND

Node.js | Laravel | Symfony | .NET | CakePHP | CodeIgniter

FULL-STACK

Full-Stack Application Engineering

MOBILE

Flutter | React Native | Swift iOS | Kotlin Android | Java Android

DATA & PROGRAMMING

Python | R

BLOCKCHAIN

Hyperledger

Your Technology Challenge

A NEW PRODUCT?

Let's design and build it.

A SAAS PLATFORM?

Let's architect it for scale.

AN EXISTING APPLICATION?

Let's modernize it.

A MOBILE EXPERIENCE?

Let's build for your users.

AN AI/DATA SOLUTION?

Let's turn your data into intelligence.

AN ENTERPRISE PLATFORM?

Let's connect your technology ecosystem.

AN ENGINEERING CAPACITY GAP?

Let's extend your team.



Let's Build The Right Technology For Your Business

You do not need to figure out the entire technology stack before starting a conversation.

Tell Us:

- What are you trying to build?
- What technology are you currently using?
- What problem are you trying to solve?
- Where are you facing challenges?

Our technology experts can help you identify the right engineering approach and determine the next practical step.

Book a 15-Minute Technology Consultation

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