



Pamet creates Web Solutions, BPM Systems and Mobile Apps. Our deliverables spike satisfaction and ignite savings.

PAMET TECHNICAL CAPABILITIES

Overview

Pamet uses state of the art technology in the development of software for its clients. With a highly trained team sharing information using sophisticated knowledge management tools, Pamet can quickly integrate and deploy tested and proven technologies for software applications. Pamet stresses education, effective automated processes and intensive training so the company stays on the leading edge of software development and can quickly respond to new technical challenges.

While Pamet's core competency is the architecting, developing and integrating web and mobile applications, Pamet has the skills to produce other types of software as well. An extensive list of technologies and platforms that Pamet has experience in only tells a small part of the story. Equally important is our ability to apply this experience efficiently and produce the right solution for the client.

Software Development

The organizational model that Pamet adopted, comprising of a development center and engagement centers working onsite with clients, allows Pamet to focus on continually improving processes that can adapt to new technologies. Pamet refers to this set of processes as Pamet's Software Development Process (SDP).

The SDP integrates many best practices in software development including those originating in the Agile, Rational Unified Process and Capability Maturity Model. Some examples of those best practices are daily status meetings, frequent peer reviews of code and design, etc. The targeted Pamet training program allows Pamet to respond to market shifts or skill shortage quickly.

Pamet's project management tools allow for proper planning and effective supervision of any project Pamet agrees to accept. By tracking every aspect of a project from the requirements to the issues with the completed software, Pamet retains information and metrics for all active and past projects. The data gathered this way enables the company to effectively estimate the effort needed, track progress and respond to problems quickly.

In order to communicate key findings to the onsite teams at the engagement centers, Pamet produces white papers and case studies. Those documents, covering the key technology lessons learned from projects completed at the development center, are shared through a robust information system for distribution of knowledge across the company.

With current web application technologies, Pamet has increasingly embraced lighter methodologies with fewer, but still firm, points of control. In the initial phases, Pamet finds prototypes and mockups combined with effective data modeling especially useful to get the requirements defined. Once the team starts constructing the application on the chosen technology platform, they will understand the client's needs and can be confident that they have chosen the correct approach.

The construction phase of the project includes thorough unit and integration testing, as we always strive for high quality software. As the tests uncover issues, Pamet captures this information to be incorporated in lessons learned.

Web Application Design

Pamet focuses on maintaining the skills and knowledge to build high-quality web applications. Web applications do come in a variety of flavors, and Pamet has a team of experienced web application architects who can recommend the right approach based on the requirements given by a client.

Key factors that drives the selection of the approach are the nature of the service that application should provide, complexity of the user interface, expected number of concurrent users, level of security needed, requested availability, etc. After a thorough evaluation of those factors, Pamet will suggest a solution in line with the industry standards.

Whatever the chosen solution is - from simple deployments using PHP or Struts running on Tomcat to more complex implementation that require application server and sophisticated components like IBM WebSphere, ATG Dynamo or Oracle WebLogic - Pamet has knowledge and experience to make it.

Mobile Apps

With a deep and broad experience in mobile space, Pamet is able to provide:

- Solutions spanning wide range of mobile devices and technologies
- Implementation of native mobile applications for iPhone, Android, BlackBerry and other smart phone platforms
- Development of web-based applications tailored to various mobile devices
- Implementation of device-agnostic services that are consumed on the road - SMS, push notifications, voice-enabled services, geo-location, email, VoIP and traditional telephony, among others
- Design and implementation of user experience optimized for mobile devices

Technology Consulting

With our team's always growing experience and strength as well as our Knowledge Management system creating an increasingly effective store of information, Pamet makes a strong partner for technology consulting.

Pamet can provide expert guidance on web application servers, wireless solutions and other aspects of the technical options available in building web and mobile applications.

Web Site Testing, Review and Analysis

Pamet can review and test existing websites and suggest opportunities for improvement. Pamet uses a variety of customized web testing tools that allow review of such items as security, basic functionality, site load, site compliance with the Americans with Disabilities Act and similar regulations worldwide.

With experience in deploying the latest in web application technology, Pamet can provide robust tests and helpful recommendations for cost-effective improvements.

Data Modeling and Database Analysis

While Pamet stays current in the rapidly changing world of enterprise and other web applications, we also focus on maintaining a competency in skills that apply across technologies. In particular, sophisticated web applications require excellent data modeling skills.

Through experience, Pamet has found that correctly defined data model represents a key to every successful project. Pamet uses modern modeling tools to make sure the data requirements are properly captured and that the resulting data model satisfies the client's needs.

Pamet can also analyze legacy databases and disparate and diverse sets of storage systems, and recommend a strategy for efficiently moving the relevant data to a single well-planned and properly organized data store.

Application Servers, Databases, and Operating Systems

There is no single technology that offers the optimum solution for all clients. Therefore, Pamet seeks to maintain knowledge of the leading web application servers and specific aspects of the applications developed for them in order to recommend an appropriate solution for a client.

Most of Pamet projects are designed with Oracle or Microsoft SQL Server as databases. In terms of working with relational database systems, Pamet tends to use ORM frameworks (e.g., Hibernate, JPA) so that it is relatively easy to migrate a solution to a different database system. This gives Pamet flexibility especially in database migration projects, where we can use Java and XML technologies to integrate data for the later use in a web application.

Pamet's goal is to offer an effective technology solution that will evolve as our customers expand their business. This currently makes Java technology attractive for new implementations but, although Java is often a technology of choice, other technologies, like PHP or Grails, have evolved over the years. That is why Pamet also maintains a robust team trained in non-Java solutions.

In terms of operating systems, Pamet works with Linux and Windows 7/Vista/XP/Server 2003/2008 depending on the client's needs.

Supported Technologies

Pamet uses and supports industry standard technologies. The list of supported technologies is being constantly updated, so please contact us if you have any questions about whether Pamet can support a particular technology not shown in the list.

Platforms

- Amazon Web Services
- Linux and Windows Server Platforms
- Apple software development (MacOS, iOS)
- Windows desktop development

Database

- Oracle
- MS SQL Server
- PostgreSQL, MySQL, IBM DB2, Informix

Application Servers and Frameworks

- IBM WebSphere
- ATG Dynamo Application Framework
- Oracle WebLogic
- JBoss
- Apache Tomcat
- Microsoft IIS
- Perl, PHP, Ruby and others
- Grails
- WordPress

Programming and Software Skills

- Java, J2EE
- Spring
- Hibernate, JPA
- XML, XSL, CSS
- JHTML and HTML
- Java Script (jQuery, ExtJS, Dojo)
- Microsoft .NET, DCOM/COM, Active X
- Adobe Flash
- C/C++
- Objective C

Other Technologies

- Asterisk PBX and other VoIP platforms
- Payment and Credit Card processing
- Android
- webOS