



## Capability Statement from Zest InfoTech

Some of the key technology focus areas are,

- Storage Technologies & Management
- Cloud Computing and Cloud Storage Development
- System Programming
- Network Management
- Software Quality Assurance

### Storage Technologies & Management

Zest InfoTech has been providing outsourced product development services in data protection and storage technologies since Dec 2004. Data protection and De-Duplication is one of the strongest areas of expertise of Zest InfoTech. Some of the key technologies are,

#### Data Protection

- CDP - Continuous Data Protection
- Volume Replication
- Volume Snapshots
- Archiving
- Content Indexing
- Cloud Storage
- Backup, restores

#### SAN: Storage Area Networks

- File Systems
- Virtual File System and Unix File System
- Quotas Subsystem
- File Level Retention
- File Mapped Volumes
- Extended Attributes

#### Storage Subsystems

- LVM - Logical Volume Manager
- RAID Technology
- Virtualization



## **Cloud Computing and Cloud Storage Development**

We work with our clients to understand their setup, applications and their expectations from cloud computing. We do detailed analysis and projections to help the client decide about a move to cloud computing. If a positive decision to move to cloud computing is made, we help with application architecture, development, deployment and testing. We believe in incremental innovation, process oriented execution and delivering compelling solutions.

- Amazon AWS : EC2, S3, EBS, SQS, SimpleDB, CloudFront, Elastic load Balancing, Auto scaling
- Rackspace CloudServers and CloudFiles
- Google App Engine
- Virtualization technologies used in cloud : XEN, VMWARE
- Tools and libraries used in cloud environment
- Cloud management software
- Languages: C, .NET, PHP, Perl, Python etc

## **Systems Programming**

Zest InfoTech offers services in the development of system software programming right from requirement analysis to designing of specifications and the architecture; and from coding to testing, maintenance, packaging and documentation. Zest InfoTech has several years of experience in designing and developing system management modules, right from the operating system (user space) to the middleware to the user interfaces (CLI/Web). Optionally Object-oriented analysis and design (OOP) methods are followed using UML as the standard language used in the design process for some of the projects.

- Real time operating system architecting
- File Access Protocols
- Middleware - system databases, CLI, interface layers
- Configuration Management
- Localization and Internationalization
- Packaging and Patching subsystems on Windows, Unix and MAC

## **Network Management**

Zest InfoTech provides the following services in Network Management,

- Network performance management and monitoring
- Statistics gathering and report generation
- Feature development for specific requirements in SNMP using TL1, CLI, UI protocols
- Security management involving access control, identifying sensitive network resources, monitoring of user access and authorization



## **Software Quality Assurance**

Zest InfoTech has a well defined systematic approach to the evaluation of quality and adherence to standards, procedures and processes. The established standards and procedures are followed throughout the software development life-cycle. Compliance with laid down standards and procedures is evaluated through process monitoring, product evaluation and audits which helps in configuration management. All processes are well documented in pre-defined formats. Stringent standards for design and code are maintained throughout the development process.

Before a product is rolled out in the market, it needs to be tested thoroughly. Zest Infotech can help you in testing your products. Zest has an excellent team of QA engineers who have an eye for the best quality in software.

Some of the testing processes which we undertake during the software development phase are listed below,

- Unit Testing
- Black box testing
- Functional Testing
- Feature Integration Testing
- Release Integration Testing
- End-to-end Testing
- Load Testing
- Performance Testing
- Security Testing
- Scalability Testing using cloud infrastructure