

# **GIT** Software Technologies

**CASE STUDIES**

Case Studies



# Case Study 1- Oracle EBS Application & Database Upgrade/Migration

## Challenge Overview:

The client, a leading organization in the Retail industry, was facing challenges with their outdated Oracle E-Business Suite (EBS) environment and database infrastructure. The primary issues included suboptimal performance, increased maintenance costs, and difficulty in integrating with newer technologies. An upgrade and migration were critical to enhance system performance, ensure better security, and leverage the latest features of Oracle EBS.

### Solution Provided

- Assessment & Planning
- EBS Upgrade & Database upgrade/migration
- 3<sup>rd</sup> party application Integrations
- Customized forms and reports, dashboard
- Training and Transition Documentation along with sessions
- Post GO-LIVE Support

### Industry

- Retail

### Team Size & Timeline

- Team – 12
- Duration – 4 months

### Results Achieved

- Successfully executed within stipulated timelines
- Achieved a 40% increase in system performance
- Reduced maintenance and operational costs by 30%
- 40% decrease in critical and major defects
- Ensured compliance with industry standards and regulations
- Implemented advanced security features reducing vulnerabilities
- Seamless integration of 3<sup>rd</sup> party apps using modules implemented

### Modules Implemented

- Human Capital Management
- Supply Chain Management
- Procurement
- Financial Management

### Technologies

- Oracle E-Business Suite (EBS): Latest version
- Oracle Database: Upgraded to the latest version
- Middleware: Oracle Fusion Middleware
- Operating Systems: Linux/Unix based
- Integration Tools: Oracle SOA Suite, Oracle Integration Cloud

## Case Study 2- Mobile App Development

### AstroJyotish - *Act now for better tomorrow*

AstroJyotish, a home-grown mobile app, connects professional astrologers worldwide with users seeking consultations and services. It's user-friendly, reliable, low-maintenance, and cost-effective, catering to both Android and iOS platforms for Indian and international users and astrologers

#### Services Provided

- Requirement Analysis & Planning
- UI/UX Design
- Mobile App development
- Backend Development
- Third-Party Integrations
- Deployment & Support
- 1000 concurrent users capability
- App hosting on AWS Cloud
- Social Media Marketing (Organic & Paid)

#### Industry

- Astrology & Spiritual Wellness

#### Team Size & Timeline

- Team Size – 7
- Duration – 4 months

#### Results Achieved

- Successfully executed within stipulated timelines.
- Rapid increase in user registrations and active users post-launch
- Current user base is approx. 40,000
- Global Reach: Users from over 3 countries with an average rating of 4.8 stars.
- Revenue Growth: Achieved a 50% increase in monthly revenue through subscription and consultation fees within 6 months of launch
- Received positive feedback from both, users and astrologers for ease of use and reliability.

#### Modules Implemented

- User Authentication Modules
- Chat/Call Module
- Booking Module
- Payment Gateway Integration
- Content Management System
- Push Notification Module
- SMS Notification System

#### Technologies

- Mobile Platforms: Native Android (Kotlin) and iOS (Swift)
- Backend: Node.js
- Database: MYSQL
- Payment Gateways: PAYU, Stripe
- SMS Integration: MSG91
- Cloud Services: AWS for hosting and infrastructure
- Third-Party APIs: knowlarity, Agora, Vedic Rishi, Location IQ, Exotel

## Case Study 3- Business Solution-One stop shop for ERP, CRM, HCM and Project Management

### Fintegra ERP - *Always together*

Fintegra, a home-grown unified business solution, was developed to address common issues such as lack of customization, inadequate security, high operational costs, and non-intuitive interfaces in existing systems. Clients typically turn to this Oracle-based business solution to meet their evolving business needs.

#### Services Provided

- ERP
- CRM
- HCM
- Project Management
- Fleet Management
- Training
- Product Support & Managed Services

#### Industry

- Trading
- Manufacturing Industries
- Shipping
- Timber
- Gold

#### Team Size & Timeline

- Team Size – 14
- Duration – 9 months

#### Results Achieved

- Single, unified and integrated web-based application made available globally to address organization's evolving needs
- Robotic process automation reduces man-month efforts
- Audit trail- tamper proof record for stronger accountability
- Industry neutral solution
- Flexible workflow management to fit small, mid and large scale organizations

#### Modules Implemented

- Sales
- Purchase
- Inventory
- Finance
- HR & Payroll
- Fixed Assets
- Manufacturing
- Equipment maintenance
- POS
- Real Estate
- Service Module
- Ship maintenance Module

#### Technologies

- Oracle forms and reports
- Weblogic
- Oracle Database
- BI – APEX

## Case Study 4- Oracle Fusion application performance enhancement

### Challenge Overview:

A major enterprise using Oracle Fusion applications faced downtime, slow support, and update management issues, reducing efficiency and causing frustration. They sought a solution for seamless operation, optimal performance, and timely support. Their goals included increasing uptime from 97% to over 99% and updating patching from N-2 to N-1 level

### Solution Provided

- IT Assessment & Planning
- Performance Optimization and Analytics
- Streamlined Patch Management Process
- Reviewed and revised ITIL processes
- Configured more and meaningful alerts for proactive application management
- High-Availability implementation
- Reviewed & revised Security Management process

### Industry

- Enterprise IT Services

### Team Size & Timeline

- Team Size – 3
- Duration – 3 Months

### Results Achieved

- Achieved 99.9% uptime for Oracle Fusion applications in a quarter, ensuring continuous business operations.
- Significant improvement in application performance, leading to faster processing times and increased user satisfaction.
- Decreased average incident response time by 50%, resulting in quicker issue resolution
- Ensured compliance with industry standards and significantly enhanced data security. Patching to N-1 level also helped in achieving customer satisfaction

### Technologies

- Monitoring Tools: Oracle Enterprise Manager
- Patch Management: Oracle Cloud Infrastructure (OCI) for updates and patches
- Incident Management: Jira
- Security Solutions: Oracle Identity Management,
- Backup and Recovery: Oracle Data Guard

## Case Study 5- Oracle Database Support

### Challenge Overview:

A global manufacturing company awarded Oracle database support to GIT Software Technologies due to issues with the current provider, who failed to manage and maintain services. They experienced frequent downtime, slow queries, and data growth challenges, leading to production delays and inventory inaccuracies. They sought a comprehensive support solution for high availability, optimal performance, and scalability

#### Solution Provided

- Database Assessment & Planning
- 24/7 IT Support and Maintenance as per ITIL standards
- Performance Tuning
- Patch Management & Support
- High Availability, Disaster Recovery and Business continuity planning
- Data Security and Compliance
- Capacity Planning and Scalability
- User Training and Documentation

#### Industry

- Manufacturing

#### Team Size & Timeline

- Team Size – 5
- Duration – approx. 1 year

#### Results Achieved

- Achieved 99.95% database uptime in consecutive 3 quarters, ensuring continuous operation of manufacturing and supply chain systems.
- Improved database query performance, reducing response times by 40%.
- Enhanced data accuracy and integrity, leading to better inventory management and production planning.
- Reduced IT operational costs by 15% through efficient database management and optimization.
- Strengthened data security and ensured compliance with industry regulations.

#### Technologies

- Oracle Databases hosted in on-prem & cloud
- Oracle Real Application Clusters (RAC) for high availability
- Oracle Data Guard for disaster recovery
- Oracle Advanced Security for data protection
- Database Tools: Oracle Enterprise Manager, Oracle Automatic Storage Management (ASM)
- Backup Solutions: Oracle Recovery Manager (RMAN)
- Security Solutions: Oracle Advanced Security, Fortinet
- Performance Optimization: Oracle Performance Hub, WR (Automatic Workload Repository) reports
- Training and Support: Custom training programs,

## Case Study 6- Oracle Database/ERP Migration from OnPrem to Oracle Cloud

### Challenge Overview:

A large enterprise with an on-premises Oracle E-Business Suite (EBS) environment encountered scalability, performance, and maintenance challenges. The infrastructure struggled with growing demands, necessitating frequent upgrades and resulting in higher operational costs and downtime. To address these issues, the company sought to migrate their Oracle EBS and database to Oracle Cloud Infrastructure (OCI) for enhanced performance, scalability, and cost-efficiency. Application count – 2

### Services Provided

- Lift & Shift - On-Premises EBS to OCI
- Database administration services to manage the Oracle databases on OCI.
- Mapped shapes to meet computing & application requirement
- Security Management on OCI
- Implemented Oracle Data Guard for high availability and disaster recovery

### Industry

- Enterprise IT services

### Team Size & Timeline

- Team Size – 5
- Timeline – 4 months

### Results Achieved

- Leveraged OCI's scalable infrastructure to handle increased workloads seamlessly.
- Reduced operational costs by 25% through optimized resource usage and reduced maintenance efforts.
- Achieved 99.99% system uptime, ensuring continuous business operations.
- Enhanced data protection and compliance with industry standards through advanced security measures.

### Modules Migrated

- Oracle E-Business Suite (EBS):  
(Financial/SCM/HCM/OM)
- Oracle Database: (19c/RAC/Data Guard)
- Oracle Cloud Infrastructure (OCI):  
(Compute/Storage/Networking/IAM)
- Migrated DB Size – 2.5 TB using
- EBS version – R12.X
- Database: Oracle Database 19c, Oracle RAC, Oracle Data Guard
- Monitoring Tools: Oracle Cloud Monitoring, Oracle Enterprise Manager
- Performance Optimization: DB performance optimization
- Backup and Recovery: Oracle Recovery Manager (RMAN), Oracle Data Guard

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