



objectstream

EXCELLENCE IN EVERYTHING WE DO

Capability Statement

Company Profile



objectstream
EXCELLENCE IN EVERYTHING WE DO



- **Founded in 2004**
- **SBA 8(a) certified, minority-owned small business**
- **FAA eFAST MOA Holder – 5 Functional Areas**
- **Holder of Alliant SB GWAC through Advanced Alliant Solutions Team (AAST)**
- **Holder of GSA Multiple Award Schedule (MAS) 70 Contract**
- **Headquarters in Oklahoma City with offices in Tennessee, Maryland and New Jersey**
- **Recipient of the Metro 50 Business Award for three consecutive years**
- **Recipient of Best Places to Work in Oklahoma award**
- **Serving both federal and state clients**

Biju Kurian - President/CEO

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- Master's in Business Administration with emphasis on Information Systems from Oklahoma City University
- 15 years of industry experience as an Aviation/IT Consultant; extensive experience in process and technology improvement.
- Specializes in Program/Project management; government contracting; SDLC (RUP, Agile, and SCRUM); Rational; J2EE; .NET; Web Services; and AIXM (Aeronautical Information Exchange Model)



Shyam Nagarajan - CTO

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- Master's in Computer Information Systems from Georgia State University, College of Business Administration.
- 15 years of industry experience in business consulting and systems development; former manager at Cap Gemini Ernst & Young's Center for Technology Enablement; extensive experience on leading software design & development within diverse range of industries and for government entities.
- Specializes in software process improvement - drawing heavily from RUP/Agile/Scrum best practices; Object-oriented analysis and design; Requirements Gathering; and OO programming (Java/JEE, C#/.NET).



IT Service Philosophy



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ITIL

Objectstream's comprehensive IT consulting services are guided by a well-articulated, high-level ITIL governance operations and service philosophy, a foundation upon which the delivery of value-added, process-driven, customer-centric IT solutions become possible.

Project Management

Even the best software engineering process tools and methods are not sufficient for project success. Our dynamic project managers retain the leadership and passion necessary to cultivate a collaborative team environment in which requirements and ideas are leveraged to generate maximum business value from IT investments. Projects are delivered on-time, within budget, and good quality.

SDLC

Objectstream's agile RUP SEP methodology balances the real-world need for performance, cost and availability estimates against the lean, behavior-driven, service-oriented structure of Agile methodologies. Iterative use case analysis, coupled with close interaction among all project team members, facilitates successful realization of this delicate balance between structure, predictability and agility.

Our Services



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IT Services

- Enterprise Architecture / SOA
- Quality Assurance / VV&T
- Database Architecture/Administration
- Legacy Migration
- Application Development/Maintenance
- Database Warehousing and Mining
- Requirements Management / BPM
- IT Risk Management

Consulting

- Portfolio/Project Management
- Process and Methodology
- Technology Consulting
- Security Consulting
- Disaster Recovery
- IT Governance

Aviation

- Aviation Safety Management
- Regulatory Compliance
- Aviation Operations & Maintenance
- Navigation Engineering

Training

- Agile and Iterative Development
- Project Management
- IBM Rational Unified Process (RUP)
- Object-Oriented Analysis and Design
- Microsoft Office Applications
- .NET, SQL, Java, Visual Basic, C++, C#

Strategic Staffing

- Ready access to valuable IT personnel
- Technical recruiters available
- No niche is too small or uncommon



Aviation Safety

- Experience in aviation safety management systems, aviation regulation and safety promotion.
- Provide consulting and auditing services assisting organization in regulatory compliance with the federal aviation regulations and relationships with the Federal Aviation Administration.
- Help meet commitment to the highest levels of aviation safety.
- Provide safety oversight of air carriers, repair stations and flight schools.

Aviation Engineering Services

- Provide engineering solutions and a comprehensive approach through strategic alignment of technology with business process improvement.
- Incorporate innovative ideas and integrated technology solutions at both the federal and state levels.
- Promote cross-organizational collaboration, thereby lowering costs while improving customer service.
- Provide leadership expertise and technical expertise in operations, maintenance and navigation engineering services



Enterprise Architecture	<ul style="list-style-type: none">• Experienced with Federal Segment Architecture Methodology (FSAM) and Federal Enterprise Architecture (FEA)• Capable of handling large, geographically disparate EA Frameworks or small, customized applications.
Quality Assurance	<ul style="list-style-type: none">• Implements effective standards and procedures to produce, verify, evaluate and confirm software products throughout the software development life cycle.• Emphasis on domain and test-driven development, which helps ensure reliability and maintainability.• Currently pursuing ISO 9001:2008 certification.
Database Architecture & Administration	<ul style="list-style-type: none">• Experience with the most commonly used relational databases, including Oracle, Sybase, MS SQL, MS Access, SQLite, and MySQL database management systems, among many others.• Assists the FAA in developing, deploying and maintaining over 25 FAA-wide Oracle database applications.
Legacy Migration	<ul style="list-style-type: none">• Transform legacy applications to redesigned web-based applications employing cutting edge technologies, which makes them more maintainable, changeable, cross-browser compatible and more easily integrated with external applications.• Conducting detailed analysis, determine if service enabling is more appropriate as opposed to a legacy migration



Application Development and Maintenance

- Use object-oriented principles to manage applications with complex, evolving business requirements. Our developers are proficient in multiple languages such as .NET, J2EE, C++, C#, and Ruby on Rails. This reflects our belief in proficiency in a diversity of languages. Choosing the right language is becoming increasingly important in an agile/lean, results-oriented, complex world.
- Use domain-driven design methods, which provide a conceptual framework for organizing business logic in a rich domain model separate from technical and infrastructure concerns, which can change frequently or obscure business rules/processes.
- Keep business logic separate from technical concerns, and make use of rich, customer-based abstractions/terminology directly in code, thereby rendering it more understandable and in turn more changeable (and change must be embraced to keep a system maintainable and prevent build-up of technical debt).
- Handles all four maintenance types – Adaptive, Corrective, Perfective, and Preventive.

Database Warehousing and Mining

- Works with clients on a variety of database reporting toolsets, such as Business Objects, Crystal Reports, Cognos, Oracle Reports and Jasper Reports.



Requirements Management / Business Process Management

- Help our clients leverage industry standard Requirements Management and visual modeling tools to properly manage and administer requirements and change process through design, testing and development with minimal effort.
- Provide expertise in Business Analysis, Requirements Management, and Software Engineering who use best practices and established tools to ensure that software and systems are delivered in accordance with relevant business requirements.
- Offer the analysis, experience, and know-how to ensure initial and ongoing Business Process Management and workflow success.

IT Risk Management

- Identify risk, assess risk, and take steps to reduce risk to an acceptable level.
- Provide a comprehensive view of all risks related to the use of IT and a similarly thorough treatment of risk management, from the tone and culture at the top, to operational issues by adhering to NIST standards and ISACA's Risk IT framework.



Portfolio, Program, and Project Management

- Objectstream staffs PMP and SCRUM Master certified project managers who consistently deliver projects on time and under budget.
- Provides strategic leadership for instituting Earned Value Management (EVM). Our project management staff also work as support contractors on Planning & Systems Development in the AeroNav Services Department on the following tasks: assisting the Program Manager with all Capital Investment Plan-related activities, coordinating Earned Value Management activities between NFPO and IT and FAA HQ, project communications such as status reports, suspense items, project summaries, briefings, performance variance reports, and earned value reports.
- Experienced with Rational Portfolio Management (RPM), Deltek Cobra, Deltek WInsight, Worklenz, CPIC, and OMB300

Process and Methodology

- Our process improvement solutions include established process models such as RUP, ITIL, CMM, Six Sigma, The Open Group Architecture Framework (TOGAF), and solutions customized to the specific needs of your business.
- Intimate familiarity with COBIT v4.1, a customized version of which was implemented at the FAA-ATO.
- Adopts a pragmatic, minimalistic approach to process improvement, applying only those concepts and procedures that add tangible business value.

Technology Consulting

- Provides broad-based, pragmatic technology consulting focused on lightweight, intuitive, user-friendly applications and processes.
- Considerable experience migrating mainframe applications, and in some cases using Web Services to access new databases, such as Websphere, MQ, REST, AJAX, JDBC, ODBC, SQLNet.

Security Consulting

- Objectstream provides security consulting services in the following areas:
 - X509 Certificates and SSL
 - LDAP
 - Microsoft Active Directory
 - Data Encryption
 - Privacy Act Compliance and Reporting

Disaster Recovery

- Objectstream staff has extensive experience in developing and administering disaster recovery plans for clients in both the public and private sector.
- Depending on the critical nature of the application, as well as its availability, a disaster recovery site can be synched in real time, and thus be capable of almost instantaneously replacing the original application.

Governance

- Objectstream retains a staff of project managers and business analysts with the broad IT, managerial and auditing experience necessary to deliver robust, effective Enterprise and IT Governance solutions.
- We utilize ISACA's COBIT framework and tools, such as EPF, Rational Method Composer, and SharePoint for process authoring and collaboration.
- We are implementing IT Governance in the following IT domains: Enterprise Architecture, Change Management, Configuration Management, Application Portfolio Management, Customer Relationship Management and Risk Management.



Application Portfolio Management

- Conduct analysis of portfolio data to align application inventory with business priorities.
- Develop product roadmaps and associated business processes that ensure the validity and integrity of your portfolio data. These processes ensure accuracy of the portfolio data and increase reliability on the portfolio so that your management can comfortably make informed decisions.
- Provide the guidance and support to help mature Application Portfolio Management practice and also setup governance for application portfolio.
- Gather such data/metrics that aid in demonstrating, quantifying and measuring the portfolio.
- Adhere to Gartner Level 3 Application Portfolio Management Maturity.

In-Source the Outsource

Short on IT staff?

Rapid expansion and a dynamic, global marketplace can often produce a shortage in qualified IT personnel. Let our seasoned IT professionals aid in optimizing IT process and infrastructure within your company.

IT Project Stagnation or Failure?

Objectstream is renowned for providing dynamic leadership in key strategic initiative and project management roles. Whether you need help locating qualified personnel or a consulting staff with highly specialized IT skills, we can help you avoid a sticky IT situation.

In-Source the Outsource!

We'll work closely with your managers to improve IT infrastructure and impart the training and knowledge needed to continually drive and improve these processes long after the conclusion of our consulting relationship. In this way, the outsource truly becomes an in-source!

Objectstream works closely with your staff to provide education on and Implementation of the following IT tools & methods:

- **Agile and Iterative Development**
- **Front End Scripting using JavaScripts**
- **HTML Fundamentals**
- **IBM Rational Unified Process (RUP) best practices**
- **Java Business Development using EJB/Spring Framework**
- **J2EE Web Services using SOAP, XML-Schema, WSDL, UDDI, JAX-RPC**
- **Java Swing/AWT Stand-alone Application Development**
- **Java Web Tier Development using JSP/JSF/Struts**
- **Object Oriented Concepts, Analysis and Design**
- **Object Oriented Programming in Java & C++**
- **Persistence Strategy using OR Mapping Tool - Hibernate**
- **Practical Software Story Writing (Agile Methodology)**
- **Project Management**

Though we are capable of providing high quality training on virtually all IT topics, our in-house specialties/niches are Project Management, Agile RUP, Rational (using Clearcase, ClearQuest, RequisitePro, and Rose), and Aeronautical Information Exchange Model (AIXM).

FAA

- Playing a strategic leadership role in implementing a customized agile RUP for ATO - IT.
- Providing IT service, support, and maintenance for Engineering & Configuration Management group, Technical Services group, and Data Services group under FAA-ATO.
- Promoting the use of Rational Unified Process (RUP) tools and methodology, incorporating PMI and PMBOK best practices, and facilitating the application of Service-Oriented Architecture (SOA), ITIL and Governance in all IT initiatives.
- Participating in mission-critical projects such as Flight Management Daily Flight Log (FOMS FM-DFL), Workforce Management Toolset (WMT), and Instrument Flight Procedures – Standard Instrument Approach Procedures (IFP-SIAP).
- Transitioned contract from the incumbent contractor within a day to avoid project disruption for Data Services Group under FAA-ATO.
- Participated in a critical Web Application Consolidation & Migration project, which called for the migration of over 60 applications to a central server. Our staff, in partnership with other committed service providers, completed the project well ahead of schedule and elicited the publication of a congratulatory memorandum from the CIO of the FAA-ATO.
- Leveraged interoperability between heterogeneous applications and technologies to ensure aeronautical data transmission and integrity for instrument flight procedure development, flight inspection and aeronautical charting data.
- Assisted FAA in increasing their instrument procedure production capacity by over 80% during the past ten years while reducing development time by 52%

State of Tennessee

- Partnering with the State of Tennessee to replace legacy title system with web-enabled Title and Registration User System of Tennessee (TRUST).
- Employ cutting-edge relational databases, inventory control and accountability from order to sale, and wireless capability in the event of primary connectivity failure.
- Completed integration of POS system, which improves financial process and reporting, as well as data availability (cash drawer, PC, monitor, barcode and credit card reader, electronic signature capture pad, receipt printer, and check conversion).
- Capable of digitizing and automating manual business processes, thereby increasing efficiency and productivity while reducing error.

Business Information



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Certification

SBA 8(a) Certification – Allows no-protest
sole sourcing up to \$4.0 million

FAA eFAST MOA

Contract #: DTFAWA11A-00108

GSA Schedule

Alliant SB GWAC #: GS-06F-0595Z
Schedule 70 Contract #: GS-35F-0074X

NAICS

541511, 541512, 541519, 541720,
511210, 518210, 561320, 611420, 811212

DUNS

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