ASI Andromeda™ SYSTEMS INCORPORATED

Desired performance achieved

Information Technology

Andromeda Systems Incorporated's **Information Technology Division** delivers leading edge solutions for organizations of any size in any industry. Our business-centric approach empowers our team of software and systems engineering professionals to identify needs, devise a plan of action and implement all phases of the software development life cycle. By combining our comprehensive infrastructure and application expertise with industry best practices, our clients receive exceptional results, improved efficiency and a measurable return on investment. This unique combination of systems and software engineering enhances our core capabilities to design, build, and support end-to-end technology solutions.

SERVICE AREAS

- Application Development & Integration
- Database Administration & Design
- Help Desk Support
- Network Administration & Design
- System Integration

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SOLUTIONS DELIVERED

- **Developed a revolutionary maintenance scheduling concept**, Event Based Maintenance Scheduler (EBM). This web-based application includes optimization algorithms to minimize cost and maximize asset availability.

- **Developed the Integrated Reliability Centered Maintenance System (IRCMS)**, a web-based RCM tool used throughout the Naval Air Systems Command.

- **Developed the In-Service Maintenance Planning (ISMP) application**. This web-based application provides maintenance task analysis and maintenance planning capabilities in an intuitive user interface. Numerous Navy aircraft programs are currently utilizing this tool.

- **Developed a Modeling and Simulation tool** to predict logistics resource requirements utilizing inputs from IRCMS, ISMP and EBM.

- **Developed a web-based telematics system** for utility trucks providing location, vehicle health, status and diagnostics information to fleet managers.

- **Performed Federal Information System Management Act (FISMA)** compliance management for all of our developed solutions.

- **Performed Information Assurance tasks** to include system accreditation under PIT and DIACAP, security network diagram development, accreditation boundary identification and documentation and IA control testing and mitigation.

- **Developed GOSNet**, an entire suite of web-based applications used in Program Management. This suite tracks: Actions, CDRLS, Tech Pubs, Naval Messages, Tech Directives and other key data elements. This suite has been used on the following programs: T-45, CMWS, T-44, T-56

Service Areas and Capabilities

APPLICATION DEVELOPMENT AND INTEGRATION
- Web Applications
  - Microsoft .Net / C#
  - Java EE
  - Angular 2 / Typescript
  - HTML5
  - Single Page applications (SPA)
  - Microservices
- Reporting and Analytics
  - Microsoft Power BI
  - Microsoft SQL Server Reporting Services
  - Tableau
- Mobile Applications
  - Android
  - Apple iOS: iPhone & iPad

- Web Server Administration
  - Microsoft IIS
  - Apache Tomcat

DEPLOYMENT ARCHITECTURES
- Cloud (Azure, AWS, Gov. Cloud)
- Hosted
- Premise
- Continuous Integration & Deployment
- Docker

SYSTEMS INTEGRATION
- REST API Development
- Application Integration Services
- Data Integration Services
- Web Services Development

SOFTWARE TESTING MANAGEMENT
- Selenium Testing Automation
- Full Regression Testingt

DATA BASE ARCHITECTURE AND DEVELOPMENT
- Big Data: Hadoop Hortonworks and Cloudera Distribution
- Microsoft SQL Server
- Oracle Database Server
- Data Warehouse
- IoT and Streaming Data

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