



Capability Statement

About

Jada Systems Inc. (JSI) was established in July 2000 in Pasadena, California to meet the increasing and challenging market demands for IT services. In the 18 years since our inception, we have developed streamlined an effective IT support services and solutions for a variety of clients. Our history demonstrates excellent service and proven solutions in a timely manner with the specific results that our clients strive for. We are a minority-owned small business that provides diversified software technical services to numerous government agencies and private businesses.

**Our mission:
To deliver
intelligent
solutions for
today's
challenging IT
environments**

Products and Services

Systems Engineering

- Developing, designing and managing software system from end to end; from requirements to integration and test

Software Integration, Quality Assurance, and Testing

- QA team performs quality assurance planning, oversight, record keeping, analysis and reporting
- Testing Methodologies includes: Black Box Testing, White Box testing and Automated Testing

Database Management

- Setting up databases; i.e. Oracle, Informix, MySQL
- Design, create, and maintain databases and migrate databases into Oracle.

Network Operating System Support

- Network and Security Administration, Windows Networking – All Versions, Apple Networking – All Versions, LINUX / UNIX System Administration, Database / Systems Administration, Documentation and Support, Training in the use of network components, Consultation, purchase and integration of custom network configurations, Cloud Based Application Support

Web Design and Development

- Our web designers, developers and software architects have years of experience in developing websites from the ground up for increased functionality and a better user experience.

Custom Programming

- Custom software design, programming, implementation, integration and documentation.
- Specializing in database systems design: MySQL, C, C++, JAVA, PERL, SQL, JAVA Swing, Python

SharePoint Development

- SharePoint Server Architecture and Design
- Custom Web Part Design and Development
- SharePoint Web Services Development

Help and PC Desk Support

- Personal Computer hardware and software installation, maintenance, tuning and troubleshooting.
- Training in use of new and existing hardware and software.
- Consultation, purchase and building of custom computer configurations.

Certified

We are Small Business-certified by the DGS and SDB, as well as DBE / SBE-certified by the California Unified Certification Program (MTA). We are also MBE-certified by the City of Los Angeles, and LBE-certified by Harbor.

NAICS

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Clients



Company Experience



We have built long-term relationships with our clients. They trust us with their projects knowing that we are professional, precise, experienced and knowledgeable in our fields. A short list of our current projects are highlighted below that demonstrate our capabilities.

NASA / JPL / Raytheon

• MARS 2020

Structural Engineering currently designing parts of the M2020 Adaptive Caching Assembly (that caches Martian soil samples).

• SWOT (Surface Water Ocean Topography)

Unix/Linux Systems Administration
Setting up Servers / Connectivity in Building 600

• TES (Tropospheric Emission Spectrometer)

Performed systems engineering tasks
Defined and developed software coding standards (Code Wizard)
Software Analysis and Development (C, C++, Java, Perl, Python)
Database Design and Development (Oracle/SQL, PLSQL)
Maintained Configuration Management (ClearCase/GITHUB)
Perform Systems Integration and Testing effort with automated testing tools
Currently supporting 24/7 data operations (Team Award Recipient)

• OCIO System Administration and Help Desk

Our Senior Linux/Unix System Administrators support lab-wide projects within JPL. Job duties include all aspects of System Administration including installation, configuration, implementation, and maintenance of Linux servers, both hardware and virtual. Our System Administrators are responsible for disk storage devices, SAN and NAS devices, and along with network equipment. Responsibilities also include building, configuring, and troubleshooting open source and commercial applications, backups and restoration, user support, and documentation.

Our Help Desk Specialists provide responsive and accurate technical assistance in person, via phone, or utilizing electronic methods. They are responsible for ensuring maximum user uptime and providing a high level of customer service. Resolve client desktop-related problems using a wide range of support tools and solutions. Work both independently and in collaboration with other members of the IT team.

• Engineering Product Data Management (EPDM)

Multi-year PLM roadmap to deliver the next generation PDM system to the lab Effectively consolidated two major PLM platforms: the PDMS and MCAE Team Center. The first phase of the go-live, M2020 will be using the new system to perform PDM functions on 2 sub-systems. JSI Oracle Database Developers addressed concerns with supportability and sustainability of an aging PDMS platform. Engineering processes from the old PDM system have been successfully replicated and significantly improved (JPL 2014 Award Recipient).

• Software Architecting

At JSI, we support design, development, integration and testing of software applications in various programming languages; Shell scripting in the Unix/Linux environment; Linux System Administration on all flavors of Linux. We also build applications in IDL, MATLAB, NX Teamcenter, and UNITY Development Engine.

JPL / CAL TECH

1. Web Dev and Design

- Mars/Cassini/First Gov

2. Software Development

- MODIS / VIIRS / ECOS
TRESS Land Surface Temp
- TES (Tropospheric
Emission Spectrometer)

3. Signal and Data Analysis

4. Flight Electronic Test Engineering Support

211 LA County

System Administration and IT Help Desk

City of Pasadena

1. Land Management System

2. Performed Database Maintenance

3. Systems Analysis and Crystal Report Generation

Children's Hospital LA

System Administration and IT Help Desk

Metro Transit Authority

Currently providing Staffing Augmentation

Other Services Provided

Mobile App Development

Flight Software Development Support

Flight Electronic Test Engineering Support

Project Management