About the Organization

Decision Software Systems is a small business concern established in 1984. The firm has provided technical expertise to many different organizations over time in various areas of technology and supporting roles.
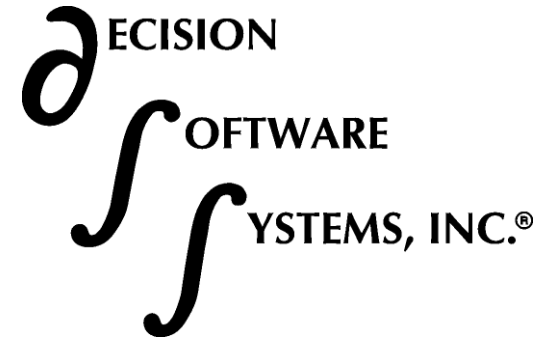
Art Larson, President

Mr. Larson has over 25 years of technical expertise in Systems Engineering, Software Development, Design and Project Management for Information and Engineering environments. He has an MBA in Finance/MIS and a B.S. Physics. Extensive expertise in Object Oriented Design, Project Management, Marketing, Sales and Support, Technical Support, Communications, Client/Server Systems, Computer Security, Web & Database Systems Design/ Development, Real Time Embedded Systems Design and Development. Expertise in Computer Security Systems and Software Engineering.

Recruiting and Service Contracting Solutions

DSS® provides clients expertise in Recruiting and Service Contracting. **DSS®** has assisted clients with Service Contracts for Professional Services. The scope of which entails assuming the project responsibility building and integration of the technical team to meet to organization objectives. With respect to Recruiting **DSS®** provides services for Technical Recruiting of Professionals for Full Time, Temporary and Contracting Labor based on specific client requirements.

Sample Client List

- Datalogic Automation (AccuSort)
- AT&T (NSA MLS)
- CACI
- Comcast
- Concurrent Technologies (NSA)
- CSC (Navy)
- Depository Trust Clearing Corp
- DRS Systems (General Atronics) Navy
- Honeywell (Formation) FAA
- General Atomics
- GMAC Commercial Mortgage (Berkadia)
- Honeywell Process Control Systems
- Hughes Network Systems
- Exelis Aerospace & Defense (Harris)
- KNS Industries
- Libra Systems
- L3 Harris Communications NSA/NRO
- Lockheed Martin – Navy, AF
- Raytheon (Magnavox Government Systems) - Army
- Arris (Motorola Broadband Systems)
- Nasdaq Omx Phlx Exchange
- PP&L
- Rohm & Haas
- R.W. Johnson Pharmaceuticals
- Nasdaq Omx (SIAC)
- SRI (Sarnoff Corp)
- Susquehanna Investment Group
- Ericsson (BellCore)
- Volant-Velox Trading Systems
- WorldGate Communications

∂ECISION ∫OFTWARE ∫YSTEMS, INC.®

Decision Software Systems, Inc.®

- *Professional Technical Services*
- *On/Off Site Consulting Services*
- *Recruiting Services*
- *Technical Solutions for Engineering and Information Technology Projects*

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Decision Software Systems Inc. (DSS)

Software Consulting Services, Outsourcing, and Project Solutions for Financial, Engineering, Aerospace, Utilities, Communications and Pharmaceutical Organizations.

DSS® is experienced in all phases of the software development process. **DSS®** provides consulting, services, technical support, on/off site, project support/development and customized software development. **DSS®** utilizes systems engineering methods to manage and organize projects to facilitate clear/concise technical definition for the program requirements. **DSS®** has expertise in providing organizations support in the following areas:

- Project Planning, Requirement and Technical Definition
- Design/Analysis for Information Technology,Web & Engineering Systems
- Application and/or Systems Programming
- AI/Python/ChatGPT
- Cyber Security/CMMC/High Assurance,Data Communications, STIGS, Microsoft Group Policies
- Internet Web Based Systems Development, E-Commerce/EDI, Security etc.
- Web and Client/Server Based Systems Design/Development via RBMS (Oracle, Sybase, SQL Server, Informix ASP.NET, ADO.NET)
- Database Design, Migration/ETL, Warehousing, Data Modeling Logical/Physical, SQL Procedures
- Independent Verification and Validation Services
- Software Documentation for Design and Testing.
- Technical Training and Support Services
- Compilers - Customized Language Development
- Real Time Embedded Systems Development, Consulting Services Applications/Systems Drivers .
- Communication Systems Design, Support, and Implementation
- Network Administration/Support and Management
- Hardware and Software Products/Support: Computers, Software, Network Components.
- Wireless Communications,Infrastructure Consulting
- Customer Relationship Management Systems (CRM), Sales Automation , Analytics, Data Feeds.
- Virtual Server Migration Projects.- VmWare (HP/UX, Red Hat Linux), Virtual Box Win/10/11, Win Servers W2K8R2/W2K12R2,W22K16 etc

Areas of Expertise

DSS® Provides technical expertise for Object Oriented Programming Systems. **DSS®** has expertise in Communications (Satellite and Secure Communications Systems), Computer Security, Financial Client/Server Systems, Databases, Web Based Systems, Robotics/Image Processing, Real Time Systems, Studies, Proposals and Training. **DSS®** incorporates proper methodologies to support cost effective life cycle management of technology for projects. **DSS®** has expertise in Parallel Processing Systems, Neural Nets, Communications Technologies, Financial Transaction Trading Systems, Databases, Web Systems Middleware (ASP.NET, JSP, JMS-WebLogic,RESTful), COBRA and DCOM interfaces and Real Time Embedded Systems Development.

Professional Technical Consulting Services: **DSS®** objective(s) are to provide services to Engineering and Information Technology Organizations. **DSS®** is a small business concern with Senior Systems and Software development professionals. With this expertise **DSS®** addresses the requirements of Large Organizations. Over the years **DSS®** have been able to meet or exceed the needs of many Corporate Clients.

Project Management for IT/Engineering Business: DSS® utilizes systems engineer methodology to address the technical requirements for the client. To enable the client to properly manage the technology for long term life-cycle support. The goal is to improve productivity for management of future modifications by either the client staff or with external technical resources as needed. Agile/Scrum

Internet Services, Computer Security Engineering/Web Database Systems Development: DSS® provides Clients Internet Application/Systems Development Services. **DSS®** provides technical services for analysis/design/implementation for Front End Clients, Backend Databases, E-Commerce/EDI, Internet Security, JAVA/ASP, J2EE, Client/Server, WordPress/PhP/MySQL, Database Modeling/Development for Internet Application, MS ASP.Net, Sharepoint; Project Management/Planning Support and Analysis. **DSS®** develops web systems and Assists in Web Hosting/Support Services.

DSS® provides ISP connectivity, Supports Wireless Communications Services/Development etc.

Security Engineering: DSS® RMF Compliance, DISA Stigs/ODAA, CISSP, Network Hardening.

Hardware Systems:

Computer Systems: Oracle/Servers (X86/Sparc), HP's, Intel based PC Servers, ,VmWare System Virtualization,Linux Systems. Clustered Parallel Processing.

Embedded Systems: Motorola : M680x0, MIPS, PowerPC Intel Pentiums, TI TMS32xx DSPs and 80x80's, F-16, AYK-14/44, UYK-20, Encryption Hardware, SOA, UML, Rhapsody.

Software Development Environment/Languages: UNIX/C++, JAVA SE/EE, JSP,Tomcat-Apache,Eclipse-IDE, LAMP, PhP, Flex, Lex/Yacc, Maven, Scala, JavaScript MS Visual Studio Development for Win10/11/Azure C#,VB, SharePoint,COBOL Assemblers: Intel MotorolaM680x0,Vax/Vms "C"/C++, ST: Java, Ada, FORTRAN, CMS-2M, UNIX/Posix,X Windows/Motif/Qt, Win32 API, .Net, ASP Multi-Threaded Coding, DCOM, OLE, ODBC, Remote Data Objects, Active/X, MS Visual Studio C#/C++/Basic, Perl, Lex/Yacc (Compiler Tools), SAP , CRM, EDI, Real Time Embedded Systems.

Wireless Communicationss and Mobile Computing Development: Google Android , Apple iOS platforms, and specialized embedded platforms.

Operating Systems: UNIX Internals, Win10/11 W2K8R2/16R2 Linux, UNIX/Posix, VxWorks , VRTX, pSoS, QNX, Vax/ VMS, AIX, Irix, Extensive RTOS Systems Development. Vax/Vms Clusters

Database Development Technologies: ORACLE, Sybase, MS SQL Server, MS Access, MySQL Informix, Data Modeling/ErWin, ETL/dbArtisian, (Design, Implementation, Support), JDBC/ODBC Database Interfacing to Client/Server and Web Database platforms. SQL/Stored Procedures Support/Development, Data Warehousing, Migration,

Computer Security: Encryption, Orange Book, Protection Profiles, Database Security, Communications Security, Intrusion Detection Systems, Infosec, Comsec/Crypto Systems, EKMS, PKI, Infosec/EKMS, Red/Black Systems. SRD Radios, High Assurance Secure Communications, DAC/MAC, OBAC/RBAC, Multi-Level and Transport Layer Security, RMF,Cyber/CISSP, Win 2K/8/12/16 Servers/GPO, WSUS/SCCM

Telecommunications Technology: DSS® has expertise of data communications ISO Model, LEC/STP/SCP AIN, wireless, audio/video data transmission, ISDN, E1/E3, T1/T3, Sonet, Ethernet, Secure Satellite Communications, LANS, ATM/GIG, SNMP, WAP, MPEG protocols, RFS Analysis through design/ implementation, Cable and Cellular Communications, FAA Communication Systems, ASN.1. Encoding/Decoding. FIX Trading Systems Communications Interfaces

Web Based Development Technologies: JAVA EE/SE, Tomcat Apache, JSP, Java Servlets, Java Script, Eclipse IDE, Netbeans IDE ASP/Interdev/Front Page/Visual Studio. WordPress/PHP/MySQL,EDI Commerce, Web Site Development, Support/Enhancements

Big Data Hadoop/HDFS, Map/Reduce, AWS/EC2, R/Pig/Hive, NoSQL, MongoDB

AI.Machine Learning NVIDIA/CUDA/GPU/SDK, Open Source Systems, Python/ChatGPT

Systems Engineering-Verification and Validation: Systems Engineering for Embedded and Secure Communications Systems. Red/Black Planes, Control/Data Planes, EKMS/PKI, Radar/Fire Control Systems. Defense and FAA Systems Engineering Efforts.