GIRARD E. JERGENSEN

AREAS OF EXPERTISE
Programming Languages: Java, C/C++, SQL, Visual Basic, HTML, XML, JavaScript, Ada, Pascal
Operating Systems: Windows 9x/NT/XP, Linux/Unix, DOS, Solaris
Database Systems: MySQL, Access, Oracle
Networking: Design, Security, Computer/Workstation Security
Management: Project Management, Software Process Engineering (SEI CMM), Software Quality Assurance

WORK HISTORY
da Vinci Network Services (March 2001 – Present):
Software Engineer - Designed and developed data conversion systems to process raw data into refined, database-ready information streams. Created relational database schema to merge new system architecture with legacy information. Designed and implemented real-time pulse-based data collection system for energy usage monitoring. Developed HIPAA transaction processing system for Medical Billing Software. Upgraded and maintained Access database system. Customized, installed and administrated Linux-based Firewall/Virtual Private Network systems.
Skills: Java, SQL, C/C++, VisualBasic, HTML, JavaScript, Database Administration (MySQL, Access), Network Security

Military Experience (Captain, US Air Force, Honorable Discharge)
Peterson AFB, CO:
SEWS Deputy Program Manager/Computer System Security Officer (June 1999 – March 2001) – Developed requirements, budgeted funds, and tracked expenditures for multi-million dollar program. Created computer security policies for 20 networked desktop systems and 4 classified workstations for combined Russian/US Center for Y2K Strategic Stability.
Skills: Project Management, Computer/Network Security, NT/Solaris, DoD Acquisition, Foreign Military Sales

Requirements Analyst/Computer Systems Security Officer (March 1998 – June 1999) – Prioritized requirements for software modifications on space debris and satellite tracking system. Managed security for 45 unclassified desktops and 2 classified mainframe systems. Upgraded and maintained Access database application for requirements tracking.
Skills: Visual Basic, Database Administration (Access)

Tinker AFB, OK:
Chief, Software Engineering Process Group (March 1997 – March 1998) – Assessed current processes, originated unit policy, and advised senior management. Identified, evaluated, and incorporated new technology and processes into business operations. Oversaw quality assurance activities to ensure problems were identified and addressed. Designed and implemented software production policies to improve organization's efficiency. Developed and adapted metrics to meet Air Force mandates and Capability Maturity Model (CMM) criteria.
Skills: Software Process Engineering, Software Quality Assurance

Chief, Small Computer Software Section/Project Manager (November 1996 – March 1997) - Led and managed a team of information technology professionals. Performed requirements analysis for large multi-user relational database. Developed high-level and detailed production plans for the database system. Developed schedules, collected and analyzed metrics and reported status to senior management.
Skills: HTML, Access/Visual Basic, C/Clipper

E3 Systems Software Engineer/Section Security Specialist (February - November 1996) – Designed/Implemented text processing suite for very large (up to 9GB) files. Planned and implemented secure LAN for classified programming and software testing. Analyzed and redesigned testing processes, resulting system 5 times more effective than previous process.
Skills: NT, C/C++, Rational Rose design environment, Object-Oriented Analysis/Programming, Network Security, Testing

EDUCATION
MS in Management, Information Technology, Colorado Technical University, Colorado Springs, Colorado 1999
Computer Software Engineering Certification - AF Institute of Technology, 1996
BS in Computer Science, minor in German, United States Air Force Academy, Colorado 1995
Graduated from Newman Smith High School, 2335 N. Josey Lane, Carrollton, Texas 75006, 1991

MEDALS
National Defense Medal   Air Force Commendation Medal
Air Force Achievement Medal   Joint Service Achievement Medal