

STEVEN SHANNON

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Career Profile

A software developer with over 25 years of experience on multiple development environments for different platforms. Possesses the ability to switch gears rapidly when adjusting to new tools and development methodologies. Familiar with all stages of the software development life cycle.

Experience

2000-present **Northrop Grumman – Utility Solutions** *San Diego, California*

Senior Software Engineer

Projects spanned more than 18 years and generally involved Windows PC applications as well as WinCE platforms, porting to new operating systems and/or hardware platforms, and changes in user requirements.

VisualStudio and C++/MFC, MS SQL Server

- Principle architect for the primary application suite of multi-threaded Windows-based PC applications involving route-based data collection management with a SQL database. Data is sent full circle to mobile devices via serial cable, USB cable, Bluetooth, and network connections using TCP/IP.
- Development of native application software (C++/MFC) for various handheld field computers running WinCE 4/5/6 and Windows Mobile.
- Implementation of software security requirements including customer authorization management and multi-level user privilege management.
- Implementation of a post-collection decryption of AES encrypted metering data collected by radio receiver from remote fluid metering devices.
- Designed software for interfacing with data probes, GPS receivers, and other devices via RS232, USB, and Bluetooth which included NMEA sentence decoding, bearing calculation, and other decoding functions.

Java Applications using Eclipse and Sun/Oracle Java version 1.4-1.8, MS SQL Server

- Implemented a customer relationship management (CRM) database application for SQL Server.

Android Apps using Android Studio

- Applications for text and image content selection and display. Content was AES encrypted XML based and decrypted dynamically. Location services were used to filter appropriate content for selection.

1994-1999 **Internationalization Services Consultant (primary client Fujitsu)** *Tokyo, Japan*
Localization Engineer

Java Applications using Sun JDK 1.1 and PC Applications using Visual Studio and C++/MFC

- Management and integration of projects involving development teams in several countries.
- Designed networked database applications employing client-server methodologies localized for multi-byte character sets using Java and C/C++.
- Developed suite of translation management tools for processing documents formatted in SGML and HTML.

Education

California State University, Northridge

Bachelor of Science, Computer Science (1989)

San Diego Mesa College (2007-2015)

Post undergraduate coursework in Anatomy, Physiology, Microbiology, & Emergency Medicine

Certifications and Licenses

Sun Microsystems:	Certified Java Programmer & Certified Java Developer (Java 1.1)
Medical:	Emergency Medical Technician – licensed in California (San Diego County)
Aviation:	Private Pilot License (Single engine, Fixed-wing, Land)
Amateur Radio:	General Class License