

Richard G. Warren

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OBJECTIVE

Apply extensive software engineering best practices and leadership experience to the design and implementation of new services, products, and enabling technologies.

TECHNICAL SUMMARY

- **Focus:** Java Backend Server and Web Services architecture and design. Highly scalable, configurable, and runtime performant systems that are both reliable and extendable.
- **Stack:** Java SE/EE 7, Spring, REST, JPA, JQuery, SQL, JSON, XML, Git, Maven, Gradle, Agilefant, Hudson CI, Websphere, JBoss, EHCACHE, Tomcat, Active MQ, MongoDB, MySQL
- **Scope:** Work in Agile environment with stakeholders and engineering team to define user stories, acceptance criteria, and other requirements. Work with engineering team to assign tasks and maintain iteration schedule. Solid understanding of front to backend systems, processes and workflows across development, QA, staging, and production environments.
- **Soft Skills:** Proven ability to quickly comprehend new technology and envision future possibilities. Excellent oral, written, and interpersonal communication skills.

EXPERIENCE

Senior Technical Analyst: Synnex Corporation, San Diego, CA (2014 - Present)

Responsible for delivery of numerous projects focused on value added services to the GIAS platform. Services implementation on Java, Spring, JDO, AJAX, Faces, and XHTML.

- Interface with clients on-site to identify and resolve technical issues.
- Implementation and enhancement of core product services and browser based user interface.
- Technical documentation of key architectural components.

Independent Consultant: WarrenSpot.com, San Diego, CA (2008 - Present)

Responsible for requirements analysis, design, and implementation of several projects based on a Java SE 6 and SE 7 technology stack.

- On-line portfolio maintained at warrenspot.com
- Android Mobile platform and REST services location aware game development.
- [Information Retrieval](#) using *Document and Collection Analysis* and Java web services.
- Web site design and hosting services as seen at blankrocks.com

Senior Software Engineer: Anonymizer, Inc., San Diego, CA (2010 – 2013)

Worked closely with Principal Architect and Executive Management in the architecture, design and implementation of several key Anonymizer products and services based on Java SE6 Jersey REST, Tomcat, Oracle, Android, and Firefox.

- Awarded MVP for *Innovation Day* Java Android mapping and location aware application
- Architecture and design of Java Spring services and REST web services to manage IP rotation and maximize use of limited IP space in order to prevent detection by target analytics. Architectural technology stack includes ActiveMQ and EHCACHE.

Senior SCM Engineer: Intuit, Inc., San Diego, CA (2008-2009)

Senior member of the *Turbo Tax* Source Code Management team responsible for migration of build processes to centralized data center. Evaluation and recommendation of systems to improve and streamline build process. Implementation of Maven based Archetypes and custom plugins.

- Maven Archetype to standardize and streamline all New Business Initiatives
- Java SE 6 extensions for Hudson CI Server to record build status and trigger notifications
- Spring SOAP webservice development to integrate with legacy build systems.

Architect/Technical Lead: Decision Sciences Corp., San Diego, CA (2006 – 2008)
Reunited with core management team from Greystone Technology to help start-up, architect and develop Java server framework using Spring 2.0 components and Java SE 6 REST Easy services to manage large network of data sensors used to track entity movement throughout urban environments .

- Spring Components to process data collected from sensors and multiple other data sources
- Java Sensor management systems including traffic cams and license plate recognition
- Mapping technology to overlay symbology on map feature data provided by ESRI REST API
- Sandia National Labs *Jess* inference engine to infer likely destination for suspect entities.

Technical Lead: FICO, San Diego, CA (2001-2006)

Worked with management and principal architect to develop a backend server architecture and common framework for analytic and statistical modeling tools using the Java 5 platform.

- Led team in development of several key Java EE 5 backend services
- Presented key distributed architecture to FICO corporate *Technology Exchange Group*
- Developed Java WorkQueues, Reports, and Virtual File System server side framework
- Helped re-architect application server to distribute process resources and increase scalability

Senior Software Engineer: Storage Point, Inc., San Diego, CA (2000)

Technical Lead for dot-com start-up responsible for architectural design, tasking, and development of on-line storage product using Java J2SE 1.2.

- Extended API to include *Personal Information Management* and *Calendar* applications
- Developed Swing based *backup and restore* application for Quantum network storage device

Project Lead: Intelligent Systems Engineering, Inc. (ISX), San Diego, CA (1996 – 2000)

Secured DARPA contract worth over \$150K and established permanent corporate presence in San Diego. Represented ISX and trained users on system use during *at-sea* naval exercises to access satellite communication in distributed applications environment.

- ISX engineering representative to DARPA *Engineering Review Board*
- Project Lead to develop several C++ and Java JDK 1.1 distributed collaborative applications

Software Engineer: GreyStone Technology, Inc., San Diego, CA (1994 – 1996)

Co-founder of the GreyStone *Intelligent Systems Work Group* and developed initial Game AI for flagship Virtual Reality Game. Authored *Computer Agents in Commercial Entertainment*.

- Responsible for design and implementation of fully featured Inference Engine
- Responsible for integration of software with *motion dome* flight simulator and *Pilot AI*

Software Engineer: Reticular Systems, Inc., San Diego, CA (1992 – 1994)

One of first two software engineers hired by Artificial Intelligence start-up. Seized opportunity to quickly gain experience in all phases of software engineering and business development.

- Helped develop simulation engine used to evaluate *Situational Awareness* AI performance
- Technical presentation and frequent product demonstration to customers and investors

EDUCATION and CREDENTIALS

University of California at San Diego

- Bachelors Degree in Computer/Cognitive Science
- Graduate Coursework in Computer Science - Completion of Twenty (20) Units

Certifications

- Sun Certified Programmer for Java 2 Platform
- UCSD Certification: *Software Project Management*

US Patent Co-Inventor: [US 8,274,377 B2](#)

- Information Collecting and Decision Making via Tiered Information Network Systems

Publications

- *Computer Agents and Commercial Entertainment*, [Proceedings of The Fifth Conference on Computer Generated Forces and Behavioral Representation](#), pp. 329-336