

# JOSEPH SCHWEICKART

[jschweickart@sei.com](mailto:jschweickart@sei.com) | [sei.com](http://sei.com)

## PROFESSIONAL BACKGROUND

Mr. Schweickart is an accomplished solutions architect and developer with extensive experience across all phases and roles of the software development lifecycle. He has been highly successful working with business partners to understand their problems and design creative technical solutions to address them. His industry experience includes finance, health care, retail, insurance, high-tech manufacturing and telecommunications. He spent many years as a database administrator, focusing on large database design and performance. His database experience includes both operational and data warehouse/business intelligence applications. He has been a leader in agile transformations and has presented his experiences at Agile Cincinnati and other local events. He has over 15 years' experience in various Scrum roles, including Scrum master, solutions architect, requirements analyst and developer. He has enjoyed serving as a mentor to new consultants as well as clients. His team-building skills make him an asset on any project.

## SELECTION OF RELEVANT EXPERIENCE

### Financial Services Fraud Prevention

Mr. Schweickart has served as a solutions architect and developer for several aspects of many fraud prevention solutions for a large payment transactions processor. There were many challenges due to the start-up nature of the project including many architectural pivots as new information was discovered. Development was mostly in Java, including Reactive Java, Spring Boot on AWS and PCF platforms.

### Medical Device Communications IoT Platform

Mr. Schweickart has served as a solutions architect and developer for several aspects on a device-side communications platform to connect a new surgical robot to cloud applications. Mr. Schweickart was on a small team that was invited to travel to the robot development site and reverse engineer the software and begin designs on the communications platform. There were many challenges due to the start-up nature of the project including many architectural pivots as new information was discovered. Development was mostly in C++ using Azure's IoT device SDK.

### Electronic Health Records System

Mr. Schweickart has served as the solutions architect for a joint venture between a U.S. based Electronic Health Records (EHR) vendor, a well-respected U.S. teaching hospital and an Indian conglomerate to bring U.S. style health care to India. He was responsible for gathering the requirements from the businesses, designing the software solution, creating an implementation plan, including risks, dependencies and contingencies, and leading the Indian team of developers to implement the solution. Mr. Schweickart had developed an onboarding plan for new consultants that cut the start-time-to-productivity from over a month to a couple of days. Based on this success, he was asked by the client to onboard their full-time developers as well. This success was a key reason he was given his role on this project.

### Industry Experience

- Finance
- Healthcare
- Manufacturing
- Retail
- Insurance
- Telecommunication

### Functional Expertise

- Solutions Architecture
- Technical Lead
- Software Development
- Internet of Things
- Business Requirements
- Agile Transformation
- Database Design
- User Interface Design
- Test Automation

# JOSEPH SCHWEICKART

[jschweickart@sei.com](mailto:jschweickart@sei.com) | sei.com

## SELECTION OF RELEVANT EXPERIENCE

### Agile Transformation

Mr. Schweickart has served in several roles on a high-performing agile development team using the Scrum methodology. He was involved from the ground floor transformation from waterfall to Scrum. He has worked closely with key managers to scale from a single Scrum team to seven teams. He has been a Scrum master, solutions architect, requirements analyst and developer, often concurrently. He has been responsible for the solution designs and implementation plans for several key components of a leading electronic health record application including medical coding, billing, obstetrics, assessments and interventions and chief complaints. The JEE project used WebLogic, Oracle, Spring, Google Web Toolkit (GWT), WebSphere MQ Series, and Health Language Engine (HLI).

### Vision Care Retail Point-of-Sale

A large vision care retailer was not able to determine if a given combination of a prescription, lens material and frame were actually makeable until several days after a customer had made their selection and checked out. This caused the customer to be called back to the store for restyling. Mr. Schweickart led the analysis and development of a web services platform used to send eyeglass specifications from over 2,000 retail locations to several central labs during the checkout process, thus eliminating the restyling and the associated negative customer experience. The platform used several components of the Spring framework, JBoss, Apache Axis, WebSphere MQ, JMS, JAXB and iBatis.

### Military Jet Engine Manufacturer Data Warehouse

Mr. Schweickart led the analysis and development of predictive alerting capability for a military jet engine data warehouse project. Mr. Schweickart also had lead responsibilities for an application allowing the engineers to score the warehouse data. The development environment included Oracle, Tomcat, WebLogic, JSP, Servlets, and AJAX.

### Telecommunications Carrier Research Lab

Mr. Schweickart had a long career performing many roles with one of the premier research and development labs in the world. He was active participant on the Architecture Review Board that approved all major software projects. He performed all aspects of database management including logical and physical design, with an emphasis on performance. He was on the ground floor of Teradata's introduction and was the recognized expert in SQL and Teradata performance. He led several development teams that had responsibility for user interface design and implementation, back-end services, service-oriented architectures and database access.

### Technology Expertise

- Java/Spring/Reactive
- Database Design and Development
- Snowflake, MySQL, Oracle
- AWS, Azure, Pivotal Cloud Foundry

### Methodologies

- Agile Software Development
- Scrum
- Kanban

### Deliverables

- Architecture and Design Documents
- Technical Solution Comparisons/Evaluations
- Working Software Solutions
- Automated Test Suites
- Root Cause Analysis