

# Sabre Red App Certified Developer Skills

---

18 June 2012

## Skills for Red App Developers

*Red App* developers need the following skills and expertise to develop plug-ins and clients for *Sabre Red Workspace*:

- Knowledge of the *Sabre Red Workspace* client, the technologies that the client is built upon, and the APIs that the client provides
- Java programming
- Development using the Eclipse IDE
- Knowledge of extension points, OSGi services, and APIs, if you are developing plug-ins that use Eclipse RCP functionality created by *Sabre*

**NOTE:** The technology that *Red App* developers choose will dictate the skill set that they need. The preceding list describes skills for *Red App* developers who want to build advanced *Red Apps* using Java and the most sophisticated capabilities in the *Red App Developer Toolkit*.

It is not necessary for *Red App* developers to know about the server-side components in *Sabre Red Workspace* to integrate or implement an existing application into it.

*Red App* developers who are planning to develop *Red Apps* that use cardholder or personal data also need the following knowledge and skills, and to conform to all security requirements when designing and developing *Red Apps*.

- *Red App* developers must be knowledgeable in secure coding techniques such as [OWASP](#).
- The development of *Red Apps* must be based on secure coding guidelines to prevent common coding vulnerabilities in the software development process.
- *Red App* developers must comply with all laws, including applicable data privacy laws and regulations governing the collection, storage, and use of user data.