

JCP Executive Committee Ballot 2015

Position Paper

October, 2015

Credit Suisse was one of the first financial institutes to embrace Web and Java technologies and investing heavily in Java EE technology. In 2010, Credit Suisse was elected in the JCP Executive Committee to be the first member not to represent vendors but the customers of Java technology. Customers want strong and open standards to secure their investments and to choose among a variety of different products without fearing costly migrations when switching to other vendors.

Java EE has grown to a widely accepted standard for web as well as transaction processing applications. The success of servlets, JSF, EJBs, and JTA relies on the standardization of these technologies, the high-level abstraction of their APIs, and the extensive usage of configurations. Standardization leveraged the development of stable and scalable application services, development tools, and highly integrated operations tools. Standardization was also the main motivation for Credit Suisse to develop already in the early 2000s an internal standard based on Java EE called the Java Application Platform (JAP), which helped industrialize development and operations of our Java EE applications. JAP also established many of the Platform-as-a-Service concepts and Credit Suisse continues to leverage and invest in JAP as a true private cloud infrastructure.

During our three terms in the JCP Executive Committee, Credit Suisse has made the following contributions. We showed a good record of participation in the EC Meetings and reviewed the JSRs as part of the technology government service. Having a long tradition in the development of Java EE specifications through participation in many customer advisory boards, through statements of requirements of extensions to the core Java related products in use, and active participation in JSRs (e.g., various JSF releases), we managed to increase our participation in both Java SE and EE Expert Groups (e.g., JSR 352 Batch, JSR 107 JCache, JCP.Next JSRs (JSRs 348, 355, 359)). The work as Specification Lead for JSR 354 (Money and Currency API) has shown the potential for the bank to actively drive the development of topics related to its core business by the engagement of our employees, resulting in the JCP Award for Outstanding Spec Lead in 2012. The JSR was successfully completed this spring.

During our next term, we would like to continue our focus on the following topics.

- We will continue to bring in our customer view in arguing for strong, open and stable standards that can be implemented by any vendor or Open Source community for a competitive market. To ensure open standards, transparent license models and an easy JCP participation are necessary.

- We believe in the importance of a strong technology government where we bring in our expertise in standardization and architecture governance. We complement this “process-oriented view” with our customer view and rather technical background and thus will continue to argue for a technical focus in the JCP EC.
- Furthermore, we continue our strong and active participation in Expert Groups and Spec Leads to leverage the know-how of our employees. Credit Suisse expertise ranges from the financial domain to general enterprise features such as the development, management, and operations of large applications. For example, we intend to bring in our experts for the API standardization for applications to be hosted in the cloud.

Credit Suisse re-nominates as EC representatives both Susanne Cech and Scot Baldry.

- The primary representative Susanne Cech is member of Technology Services Architecture & Strategy of Credit Suisse and is the lead architect for all Application Platforms, including the Java Application Platform (JAP) and Java related technologies. Her main focus is the identification and standardization of new technologies that aid the development and operations of large-scale applications. Susanne was the alternate in 2010 and has been the primary representative for the last 4.5 years. Prior to joining Credit Suisse, Susanne obtained a PhD in Computer Science from ETH Zurich where she implemented a dynamic updating system for Java programs.
- Scot Baldry is a Managing Director and Technical Fellow of Credit Suisse in the IT division, based in London. He is Head of Investment Banking IT Strategy & Architecture. Scot's specialist technical areas are Software Development and Software Engineering, Automated Testing and Software Correctness, Enterprise Architecture, Technology Strategy and Developer Efficiency and Tooling. In addition Scot has previously served on the ISDA FpML Architecture Working Group focusing on the structure and implementation of the FpML standard and served on the JCP EC from 2010-12 whilst working at Goldman Sachs. Scot holds a Bachelor's degree in Computer Science from the University of Southampton.

Both Susanne and Scot have been participating in the EC meetings, contributing to the JCP.Next JSRs, reviewing JSRs and arranging for internal reviews, and coordinating and encouraging the Java experts in Credit Suisse for participation in the JCP.