

Werner Keil

JCP Executive Committee Position Paper

I have been JCP Member for more than a decade and in the JCP Executive Committee for the past 8 years. The longest serving elected Individual JCP EC Member.

Beside the JCP I am Individual Member and committer to Eclipse and Apache Foundation, member of W3C, Regenstrief (Unified Code for Units of Measurement) or AUSTRIAPRO, the B2B platform standardization within the Austrian Chamber of Commerce as well as the Agile Alliance.

I use Java ever since Version 1 for over 20 **years**, out of my soon **3 decades** total in IT and the Software industry. I am proud of having provided input to earlier versions of Java, e.g. **i18n** of Swing and I was already JCP Member when Java SE 6 was released. From Java EE 6 on I was both member of its Umbrella EG till **EE 8** and involved in reviews and approval by the EC.

I've been nominated and won Awards either individually or with EGs:

- Nominated for JCP Member of the Year Award 2016
- **Won** JCP Award for Most Significant JSR 2015 (JSR 363)
- **Won** JCP Award for Most Significant JSR 2014 (JSR 360)
- Nominated for JCP Member of the Year Award 2012
- **Won** JCP Award for Most Significant JSR 2012 (JCP.next)
- **Won** JCP Award for Most Innovative JSR 2010 (JSR 331)

Out of all JSRs that went Final between Java SE 8 and now:

- JSR 360
- JSR 361
- JSR 354
- JSR 359
- JSR 364
- JSR 363

I was EG Member in 5 (all but JSR 359) including a **Spec Lead** of **JSR 363** and among top 3 active committers to **JSR 354**. I was the only **Individual** Member of the **JSR 364** EG when it was started. Representing the voice of

the community and individuals when JSR 364 introduced new member categories or the Associate EC seats.

A couple of JSRs would either not exist as we know them or be dormant or withdrawn by now without my own effort or that by fellow experts I helped find and get involved. Despite a slow pace of **Java EE 8** for about a year I also help some of the Java EE 8 JSRs like **374 (JSON-P 1.1**, also speaking at **JavaOne 2016**) or **375 (Java EE Security API)**.

My work and regular travel around the world gets me in touch with **JUGs** or other similar **Developer Communities** anywhere from South America to South East Asia. I helped some JUGs e.g. **JUG Chennai**, winner of the **Adopt-a-JSR JCP Award 2015**.

I am myself **regular speaker** on every continent except Australia so far. At conferences like **JavaOne, DevoXX, JavaZone, JavaLand, JMaghreb, JAX, EclipseCon, ApacheCon, QCon, Social Media Week, STPCon** or **GIDS**, just to name a few. Founder or co-founder of several **Open Source projects** like **Unit-API, Eclipse Babel** and **UOMo, JavaMoney, Agorava, Barbeque** (barcode), **Sysdeo Tomcat Launcher** for Eclipse or **OpenDDR/ DeviceMap**. I am **author** of articles and books on Java, Social Media, **IoT** (Raspberry Pi...), Open Source, **DevOps, Big Data** or **Agile Methodologies**.

The modularization of Java is still to begin. As well as significant development in areas like Mobile, Embedded and Distributed Computing. To be faced by a new, more modular Java with features like Sensor Support blurring the boundaries between ME, SE and EE towards the age of Ubiquitous Computing, the Next Web (also known as Semantic Web) and the **Internet of Things**. The first Home and Greenhouse Automation project I did in a Distributed Sensor Web backed by **JavaEE** for multiple mobile devices and smartphones of their time (Nokia/Symbian, PalmOS and Windows CE all supported) went into production over **10 years ago**. Aside from Banking or Finance, most work I did since then was related to Distributed Systems, Mobile or Embedded.

Whether it was tracking parcels at Deutsche Post WorldNet or **smart containers** at Maersk Line. Helping Dubai and other nearby countries get an "Oyster" like Public Transportation experience via **NFC** tickets, or recent projects around **ETCS**, the European Train Control System, **Automotive** technologies like Driver assistance or **Autonomous cars**. As well as helping major players in banking and finance get into **DevOps, BDD** and **Microservices**. Using Spring, Play or **Java EE** (from EE6 onward ;-)