

Werner Keil

JCP Executive Committee Elected Seat Position Paper

I have been JCP Member for over 9 years and in the JCP Executive Committee for the past 6 years. Since last year I was the only 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 **18 years**, out of my **25 years** 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 and involved in reviews and approval by the EC. I was member of the **Java EE 7** EG and just joined the CDI 2 EG based on experience with CDI 1 and projects that leverage it like **Agorava.org**.

I helped the **Java ME 8** JSRs hold the promise of the EC and Java merge. A couple of JSRs would either not even exist as we know them or be dormant or withdrawn by now without either my own effort or that by EG Members I helped to find and get involved. 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**, now active part of **Adopt-a-JSR**, JavaOne India speaker and organizer of its own Java events to join the JCP.

Following the 2 ME 8 Platform JSRs (360/361) I proposed the first new JSR targeting the Embedded and IoT space in particular, **JSR 363: Units of Measurement API**, which I am a Spec Lead of. A JSR compatible with both Java ME 8 and Java SE offering a similar modularity and optionality as MEEP 8 itself, catering to a broad range of devices.

I am myself **regular speaker** on every continent except Australia so far. At conferences like **JavaOne**, **JavaZone**, **JavaLand**, **JMaghreb**, **JAX**, **DevoXX**, **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**, **Agorava**, **Barbeque** (barcode), **Sysdeo** Tomcat Launcher for

Eclipse or **OpenDDR/Apache DeviceMap**. I am **author** of articles and books on Java, Social Media and Open Source projects like Eclipse, **DevOps** or **Agile Methodologies**.

Being a true Individual Member and experience of helping companies around the World become more Agile allowed me to bring some of that into the reform process and “Agile Enablement” of the JCP known as **JCP.next**. Especially **JSR 364** the effort to broaden JCP Membership. While we archived a lot in those Working Groups and process JSRs like 364 or 358, they are **not final** yet, which is why I want to offer my help and experience progressing them further within the JCP Executive Committee for the next turn.

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 **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 my recent projects around **ETCS**, the European Train Control System and similar technologies to increase passenger security prior to self-driving cars or the Hyperloop, should it ever happen;-) Trains from America to South East Asia or Australia already are partially self-driving thanks to M2M, Embedded and Real Time technologies. Many parts of those chains use **Java** already, more are likely to come in the near future.