

Ken Fogel, Computer Science Educator, Java Champion, Dawson College,  
Montreal, Quebec, Canada

**In support of my self nomination to an elected position on the JCP as an individual associate:**

The involvement of the developer community in helping to shape the future of Java is one of its greatest strengths. With the new release cadence supporting preview features demonstrates Java's desire to evolve. Rather than wait for a new language to appear that meets your needs, the Java community actively pursues changes in Java that keeps it relevant. I would like to continue being a part of this exciting process.

In my first year on the JCP I supported the establishment of an Education Working Group. My contribution was a presentation suitable for anyone, especially JUG leaders, to use at the meetings. I have also had the good fortune of presenting it at the JCP and again online in Brazil.

This does not change my priorities. Promoting Java in Education and dispelling the many myths around the language are actions that are dear to my heart. Here is what I wrote last year about education.

The first is obvious and that is Java's place in education. Currently there are some amazing additions to Java going thru the JCP process. The issue that I see is that most, though not all, are providing advanced features. What I'd hope to encourage and/or evaluate are features that simplify Java coding. The upcoming 'record' class is an example of just such a simplification. Python has gained significant traction in universities, colleges and public schools because it is perceived as simpler to code especially by those, such as data scientists, who have little interest in formal or production quality coding. I'd like to encourage more work in making Java friendlier and more appealing to data scientists, educators and students.

I had two additional issues that I wanted to address on the JCP that we could not get to this past year. Here is what I wrote last year and it remains valid.

The second issue, it too having Python as its nemesis, is the place of Java in the Machine Learning environment. At Code One I attended a few presentations on this topic. There is work going on, but I am concerned

about the pace of development in this area. At one Code One session the problem that was identified was the lack of a Linear Algebra library/framework. I think, possibly misguided, that the JCP should be encouraging development in this area. Java should be a first-class ML language but it clearly is not there yet.

There is a lot of exciting work going on in this field. Just today I read of a new ML library from Oracle. I take no credit for this work. My hope is to continue supporting this work in the community and possibly inspire others to be involved.

Finally, is the issue of documentation. Here is what I wrote a year ago:

The third and last point is documentation. The documentation created by Oracle always set the gold standard for language docs. The Java Tutorial was without equal. Sadly, it has been left out of the future plans for Java. There was a time I could say to anyone who wanted to learn a little Java to simply follow the Java Tutorial. Even though the tutorial, last updated for Java 8, remains relevant, it is difficult to explain why a tutorial on Java 8 should be looked at when the current version is 14<sup>1</sup>. While I don't believe documentation is associated with the JCP process I am hoping that I can influence whomever I must to recognize that updated docs and tutorials are as important as the 6-month cadence of Java releases.

I would like to take this a step further and suggest that JavaDocs, as they are currently presented, is in its end of life. We need to not only keep the documentation/tutorials up to date but we should begin to think about a new modern format for them going forward.

I have been proud to have been a member of the JCP EC this past year. I firmly believe that I have more to contribute. I have been an educator for 33 years and will retire from the classroom in June. I do not plan to sit on my porch in a rocking chair. I hope to continue being involved in supporting and promoting the Java language.

---

<sup>1</sup> Last year it read Java 13