James Gosling

I've chosen to do this biography on **James Arthur Gosling(born May 19, 1955 near Calgary, Alberta, Canada),** who was a Canadian Computer Scientist and is mostly known for being the Lead developer and founder of the Java Programing Language.

James Gosling received a Bachelor of Science in 1977 at the University of Calgary. Six years later he earned himself a Ph.D in Computer Science at Carnegie Mellon University, where he tilted his doctoral thesis "The Algebraic Manipulation of Constraints". While doing his doctorate, he wrote his own version of Emacs called Gosling Emacs or Gosmacs for short. He also built a multi-processor version of Unix during his stay at Carnegie Mellon University, as well as various compilers and mail systems. In the work leading to Java at Sun, Gosling implemented a similar philosophy, of always programing for the same virtual machine to great success for architecture-neutral execution for widely distributed programs.

Gosling then worked with Sun Microsystems for more than 25 years between 1984 and 2010. He is known as the father of the Java Programming Language as he is generally credited as the inventor of the Java Programming Language in 1991. He got the idea for the Java virtual machine while he wrote a program to port software from PERQ. He created the original design of Java and then implemented the original compiler and its VM. Because of this he was elected to the United States National Academy of Engineering. He also made other major contributions to other software systems including NeWS which lost out to X Window because Sun did not give it an open source license and Gosling Emacs.

Gosling left Sun Microsystems on the 2nd of April, 2010, which had recently been bought by the Oracle Corporation. Gosling's reasons for leaving were cited as reductions in his pay, his status, decision making ability, a change of role and ethical challenges. Since leaving he has taken a critical stance of Oracle saying that "During the integration meetings between Sun and Oracle, where we were being grilled about the patent situation between Sun and Google, we could see the Oracle lawyer's eyes sparkle."

Later on, during the Oracle vs Google trial over Android, he was quoted saying "While I have differences with Oracle, in this case, they are on the right. Google totally slimed Sun. We were all really disturbed, even Jonathan Schwartz; he just decided to put on a happy face and tried to turn lemons into lemonade, which annoyed a lot of folks on Sun." However he then approved of the court's ruling that APIs should not be copyrightable.

James Gosling announced that he had been hired by Google on his blog on the 28th of March, 2011. He then announced he joined a startup company called Liquid Robotics, 5 months later. On the 22nd of May, 2017, he announced on his blog and facebook that he will be joining the Amazon Web Service team. Gosling is also listed as an adviser for the Scala company Typesafe Inc. and Strategic Advisor for Eucalyptus. Gosling also contributed by co-writing the "bundle" program, which is a utility described in the book "The Unix Programming Environment" by Brian Kernighan and Rob Pike.

Recently he became a fellow member of the Association for Computing Machinery in 2013 and was awarded the IEEE John von Neumann Medal in 2015.
Gosling is also known for his love of proving "the unknown" and has noted that his favorite irrational number is $\sqrt{2}$. He has a framed picture of the first 1,000 digits of $\sqrt{2}$ in his office.