

- Skills**
- Software: Develop multiple software from scratch to production.
Hardware: Support non-coherent interconnect RTL / validation team
People Management: Lead the work of 2 engineers on daily basis.
Interest - Hardware and software technology
- Technology**
- Expert: Ruby, Java 6/7/8, JavaScript / ES6, HTML5, YAML, JSON, Linux.
Fluent: Verilog, SystemVerilog, Bash, C, PHP, Perl, Python, Golang, Groovy, CSS3, SVG, XML, IP-XACT, Messaging system / AMQP, Cloud/AWS/Digitalocean, VM, Distributed system.
Tools: HPC/ LFS / NFS, Verilog (Questa, Mentor, VCS), Git, Bamboo / Jenkins, VS code, Cluster, Linux OS (Redhat, Debian/Ubuntu), Docker / VM, MongoDB, Java ecosystem, GCC, Make
- Experience**
- Staff Software Engineer, Arm Inc / SoftBank Group, Austin, TX — 2014-present
Technical lead for multiple developers. [Java, Ruby]
- Low level planning.
 - Code review.
 - Daily sync-up.
- Architect a tooling stack composed by multiple low level API which include:
- Design Rule Checker API to verify user configuration. [Ruby, YAML]
 - Generate top level RTL based on a configuration. [Ruby, Verilog, Vcs, QuestaSim, IUS]
 - Automate the documentation generation which increase productivity and deliverable quality [Ruby, ERB, XML]
 - Automate configuration register creation and integration in the IP. [Ruby, UVM, SystemVerilog, MTI, IP-XACT, Make]
 - Create standard file format to represent a mesh. [YAML]
 - Lead the adoption of YAML format within Arm. [YAML]
 - Developed a few IP-XACT standard bus definition for Arm. [XML]
 - Lead API integration with Eclipse IDE [Java, Eclipse, JRuby]
 - Support multiple engineer groups across India, UK, USA (software platform, hardware validation, performance, documentation...).
- Senior Software Engineer, Arm Inc, Austin, TX — 2012-2014
- Perform investigation leading to the adoption of a new technology, which reduced the overall project development cost. [Spring 4, Angular, AMQP]
 - Develop an automated real-time web dashboard frontend / backend to track engineer work progress. This application improved communication, and sped up the delivery time. [Java, Javascript, HTML, WebSocket, Tomcat, Spring, Angular 2]
 - Create an automated delivery system for large IP packages that shortened the time to software release. [Java / Bash]
- Software Engineer, ARM Inc, Grenoble, France — 2010-2013
Develop and test a web application allowing the partner to customize an IP. It enables the customer to run live compilation/simulation, view logs, download final product...
- Graduate Software Engineer, ARM France, Grenoble, France — 2009-2010
Maintain and develop an enterprise job scheduler to distributed simulation on LSF (~100k jobs). [LSF, Java, HPC]

Education - M.S. Semiconductor and Telecommunication - Polytech'Marseille, France - 2006-2009
- Advanced maths and physics class - 2004-2006

R&D / Award - 2009 World Mobile Congress, Barcelona, Bronze Medal of the SIMagine
Innovative social and secure application using NFC / java on SIM card (TaggyNet).
- Intern in the C.N.R.S. university laboratory over the summer of 2008.

Other Fluent: French (native), English (fluent)
Immigration status: Green card holder
Activity: Kiteboarding, Biking, Traveling, Running after my little one

Open source Github repository: <https://github.com/jvmvik>
Medium articles: <https://medium.com/@vikoky>