

# Jan Jongboom

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<http://www.janjongboom.com>

Engineer with 13 years of professional experience. I'm a language agnostic developer that can adapt to any situation, and thrives when working on cutting edge solutions and open source projects. Besides development I'm an active developer evangelist who can speak for any audience, can build you an active developer community, and write articles that top Hacker News and Reddit Programming. I want to build world-class products that are actually used, and having an ecosystem that pays attention is one of the ways to achieve this.

Some of my side projects include: the Mbed simulator, which cross-compiles embedded C++ applications to the browser; a firmware update solution for ultra-constrained devices; JanOS, which transforms mobile phones into IoT boards; and a cheating library for Football Manager (> 500,000 users). I have also contributed to Cloud9 IDE, Firefox OS, Gecko, Ace editor, emscripten, Mbed OS, JerryScript and a ton of other projects. I also have ton of rep at Stack Overflow.

## *Work experience*

### **Principal Developer Evangelist IoT at Arm (January 2016 - Present)**

Managing the developer enablement team - across three continents - for Arm's IoT device platform. Working with partners, customers, local communities and the core team on building a consistent experience that helps customers get to market faster. This is done through better tooling, libraries, demo's, keynotes and workshops. Incorporating everything from embedded development to data analytics to frontend apps.

Engineering includes greenfield work on the Mbed OS simulator, JavaScript on Mbed, firmware updates over LoRaWAN and bridging non-IP protocols like LPWANs and BLE into Arm Pelion (released as Mbed Edge). Supporting customers on advanced topics like uVisor, and writing many open source libraries and examples. Contributor to JerryScript, and maintainer of JavaScript on Mbed. Created first multicast firmware update solution over LoRaWAN, and primary technical contact person for Arm in the LoRa Alliance.

### **IoT Developer at Telenor Digital (October 2014 - January 2016)**

Working together with Telenor Connexion on smart office solutions and building the first LoRaWAN network in the Nordics, as well as embedded development to build end-nodes with Bluetooth Low Energy and LoRa. Also initial work on an IoT version of Firefox OS and author of NativeIO API in Gecko.

### **Firefox OS Evangelist at Telenor Digital (January 2013 - March 2015)**

Building developer community in Telenor markets, supporting the launches in Serbia, Montenegro, Hungary and Bangladesh. Presented at conferences, created training material, organised app days, trained local trainers, and supported the local Mozilla community.

### **Firefox OS Contributor at Telenor Digital (January 2013 - October 2014)**

Contributing code to Mozilla's open source mobile OS, as a peer for the keyboard team, and have submitted code to Gecko (C++) and Gaia (JavaScript). Amongst others I implemented the InputMethod API, and worked on performance optimisations and the autocorrect algorithm. During my time Telenor launched phones in four markets.

### **Core Developer at Cloud9 IDE (October 2011 - January 2013)**

Developer at the Amsterdam / San Francisco based startup Cloud9 IDE. We were building an online IDE that offered realtime collaboration, virtual machines in the cloud and built in cloud deployments on top of general IDE features (static analysis, debugging, refactoring). I've basically been all over the place, from debugging to billing to editor features. Also did a fair bit of evangelism through conferences and blog posts.

Cloud9 IDE was acquired by Amazon in 2016.

### **Developer at funda (December 2008 - October 2011)**

Full-stack developer for the leading real estate portal in the Netherlands. When I was working here we were serving around 250.000.000 page views to 4 mio unique visitors each month. I've touched basically every part of the code in the three years that I've been working here, and also was the development lead for the mobile website.

Most fun project: Smart searchbox, extremely fast and intelligent autocomplete box. Primary interface for searching locations; contains 200.000 entries, and understands hierarchy, spelling errors, etc. Handles 300 query's per second at an average response time of 5 ms. See my blog under the section 'Algorithms'.

### **Developer at Arlanet (March 2008 - December 2008)**

### **Developer at ITSD (January 2006 - February 2008)**

## *Education*

2007 - 2008            Information Science (University of Amsterdam)

2000 - 2007            Atheneum (St. Michael College)