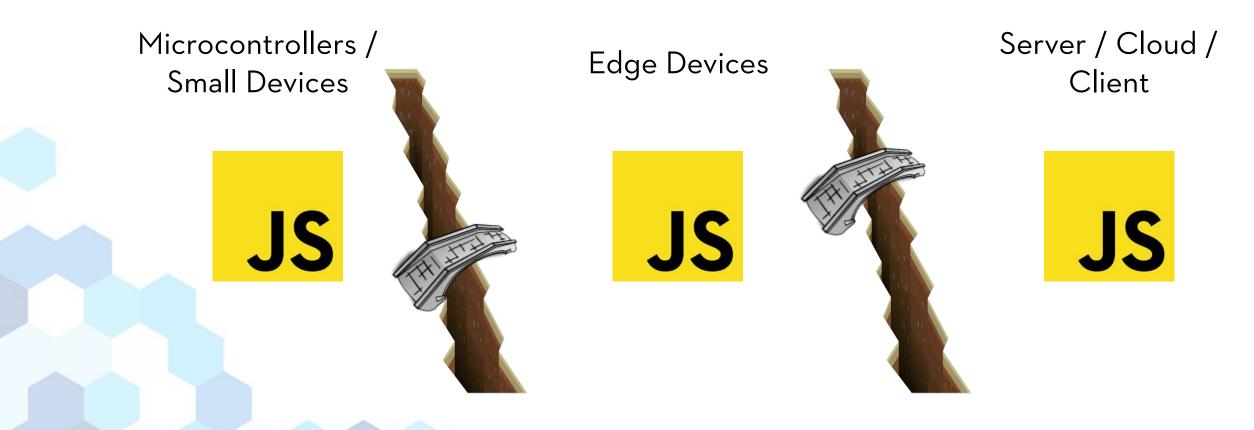
Spanning the loT Developer Chasm

The Developer Chasm in IoT

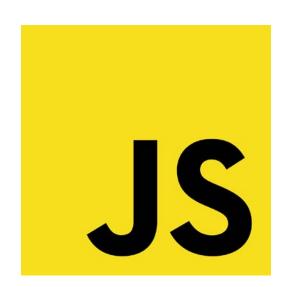


Crossing the Chasm

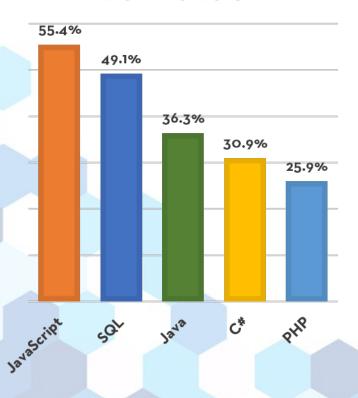


Crossing the Chasm

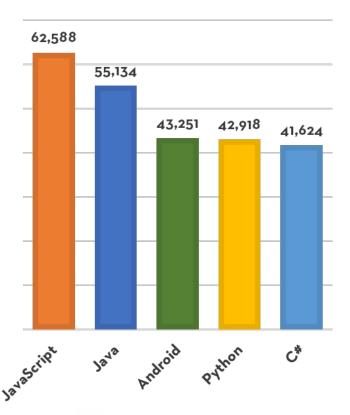
- Client side application developers are already translating their skills to the server via Node.js
- Same opportunities are presenting
 themselves in the IoT space
- JavaScript is becoming a unifying language across the entire software platform in IoT



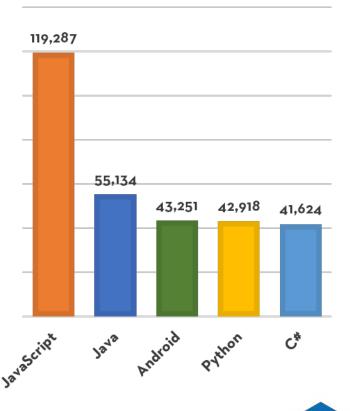
MOST POPULAR TECHNOLOGY



TOP TECHNOLOGIES



TOP TECHNOLOGIES*







Innovate *Together*

Community

- A center of gravity for open source JavaScript
- Crossing domain, technology and business sectors

Collaboration

- Provide a location and mechanisms for the community to work together
- Guidelines and principles for growing large, diverse contributor bases

Continuity

 A large, collaborative community increases innovation while providing for long-term sustainability

jQuery still runs on 80% of top million websites and >18% of the entire internet

The jQuery CDN (code.jquery.com) averages
~15k requests/second which translates to
>36 Billion downloads/month
and transfers of >1.6 PB/month

Community

23 open source projects spanning multiple segments of the JavaScript ecosystem

Aggregate project downloads from npm are ~80 million/month!

THE LINUX FOUNDATION PROJECTS

Community















































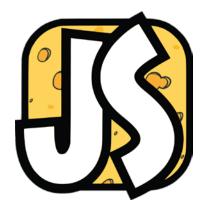


JS Foundation in IoT





THE LINUX FOUNDATION PROJECTS

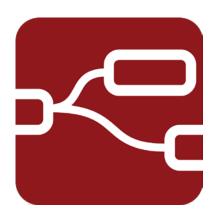


JerryScript is the lightweight JavaScript engine intended to run on a very constrained devices such as microcontrollers:

- Only few kilobytes of RAM available to the engine (<64 KB RAM)
- Constrained ROM space for the code of the engine (<200 KB ROM)

The engine supports on-device compilation, execution and provides access to peripherals from JavaScript.

THE LINUX FOUNDATION PROJECTS



Node-RED is a tool for wiring together hardware devices, APIs and online services in new and interesting ways.

- Browser-based flow editor for creating flows and one-click deployment
- Built on Node.js
- Flows can be exported and shared individually or via flow.nodered.org
- Ships on every Raspberry Pi





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