Node.js for the Next Generation of IoT

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IOT DEVELOPERS LANGUAGE PREFERENCE

- **HTML5**
- **JavaScript**
- **Java**
- **Obj. C**
- **Swift**
- **C/C++**
- **C#**
- **Python**
- **Virt. Dev.**

**Web**

**Mobile**

**Native**

VisionMobile “IoT Developer Landscape ’15 – Primary/Secondary Language preferences”
IOT DEVS ARE BUILDING

- App for Existing Device (Smart Watch)
- Standalone Device (Fitness Band)
- Integ. Limited # of Sensors (Hub)
- Integ. Devices in Network (Smart City)
- Combining Data from Mult. Sources (Health App)
- Data Aggreg. From Existing Devices (Air Quality)
- Back-end Development

VisionMobile “IoT Developer Landscape ‘15 – Dedicated to or working on multiple projects”
IMAGINATION
56% of IoT dev are explorers and hobbyists coming from other platforms → means they seek fastest path to “products”
- Blissfully open source
- JavaScript is known
- Fast and Easy
- Lots of features, innovation in open source
- Scalable
- Large ecosystem of modules (npm.org)
DISCUSSION
WHAT ARE THE GAPS TO THIS FUTURE?

SECURITY
SIZE
PERFORMANCE
TOOLS
MANAGEABILITY/TELEMETRY
OTHER?