

# Jishnu Mohan

*Software Engineer with 9+ years of experience.*

☎ +91 9895 86 85 18

✉ [resume@jishnu.xyz](mailto:resume@jishnu.xyz)

🌐 [j15h.nu](http://j15h.nu)

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## Technical skills

Languages /  
APIs / Tools    Javascript, Python, PHP, MySQL,  
HTML/HTML5, CSS/CSS3, SCSS,  
Shell Scripting, Node, Less, Mon-  
goDB

CMS &  
Frameworks    Flask, React, React-Native, Redux, Webpack, Vue.js, Backbone.js, GameClosure,  
Memcached, Mocha.js, jsio, Express.js, AngularJS, Babel, Amazon Alexa, Drupal,  
Wordpress, Ghost, Codeigniter

Languages /  
APIs / Tools -  
Familiar:    C, C++, Android App development,  
Lua, Objective C, iOS app develop-  
ment, Java, Debian Packaging, Arch  
Linux packaging

**Version**    Git, Subversion, bsr

**Control:**

**Platforms:**    GNU/Linux (Arch Linux, Debian,  
Ubuntu & Fedora), AWS, Heroku,  
OpenShift, Google Cloud

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## Education

2007 – 2011    **Bachelors degree in Information Technology**, *MES College of Engineering*.  
University of Calicut, Kerala, India

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## Professional Work Experience

- 2019 Apr – Till date **Twic**, *Senior Fullstack Engineer*, Company based in Fremont, CA - Working as a fulltime Remote employee, <http://twic.ai>.
- Fintech company working on Employee benefits space.
  - Implemented SAML IdP and configure SSO with third party service providers.
  - Key role in standardizing code quality, coding standards and developer tools to enforce the standards.
  - React based frontend work on employee portal and several internal frontend and backend projects.
  - Picked up features, worked on design documents, test plan, backend code work, frontend code and managed till deployment and testing.
  - Worked on all parts of the code base, company wide.
  - Worked on Google Cloud App engine, Firebase, AWS ElasticBeanstalk.
  - Worked on backend infrastructure and possibility of having VPC and VPN interconnecting Google Cloud, AWS and Mongo Atlas.
  - Built initial version of React native based mobile app.
- 2016 Dec – 2019 Mar **Tarobites**, *Software Engineer*, San Francisco, CA - Remote employee, <http://tarobites.com>.
- Worked on tarobites.com customer facing website, backend APIs, chef web interface, admin web interface and mobile apps.
  - Food tech company based in bay area.
  - Was working on initial versions of the frontend with Angular.JS
  - Lead role in fully rewrite of cosumer facing frontend with React.JS
  - Worked on key internal projects, backend, operations help and frontend code.
  - Worked on all parts of the code base, company wide.
- 2012 Nov – 2016 Dec **Hashcube Technologies**, *Software Engineer & Team Lead*, Bangalore, India, <http://hashcube.com>.
- Built #1 Sudoku game - Sudoku Quest on Facebook platform with PHP based backend, Backbone.JS based frontend
  - Handled deployment of games on company's own managed server on AWS.
  - Worked on Dotgame, another popular game from the company - handled UI rewrite and player rankings.
  - Built mobile versions of the games with GameClosure engine.
  - Managed release processes on both Android and iOS.
  - Contributed bugfixes and features back to the open source GameClosure game engine.
  - Created native modules for iOS and android with Objective-C and Java with native APIs.
  - Improved performance of the games on low RAM devices with code written on C/C++ and Javascript code optimization.
  - Lead engineering team and key decision making role for the new game Gummy Pop.
  - Managed engineering team of 8 people.
  - Worked on Alexa skill with python based backend and AWS ElasticBeanstalk.
- 2012 April – 2012 Oct **Accel Frontline (Ushus Tech division)**, *Software Engineer Trainee*, Kochi, India.
- 2011 Aug – 2012 Feb **Ubiquirio**, *Software Engineer*, Kochi, India.

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## Selected Personal Projects

### **Indic Keyboard**

MOSS (Mozilla Open Source Support) award winning Indian language input method for Android devices with more than **3 Million** downloads.

Web - <https://indic.app> | Source - <https://j15h.nu/source/keyboard>

### **Yet Another 2048**

Popular web based puzzle game 2048, re-written and optimized for mobile.

Web - <https://j15h.nu/2048> | Source - <https://j15h.nu/source/2048>

### **DeskWiki Editor**

A desktop client to edit MediaWiki websites.

Source - <https://j15h.nu/source/wiki>

### **AppRank.in**

A website which tracks Google Play app rankings.

Web - <https://apprank.in>

### **SMS Attendance**

Daily attendance SMS alert for MES College of Engineering students. During the period when project was active, it had more than 2300 registered users (out of 2700 students).

Source - <https://j15h.nu/source/attendance>

### **Unicalbot**

A bot that checks for notifications and exam results from University of Calicut website and tweets about it.

Source - <https://j15h.nu/source/unical>

### **Blender Add-Ons**

Developed a set of blender add-ons for architects.

Source - <https://j15h.nu/source/wall>, <https://j15h.nu/source/library>

### **Publish Your Bookmarks**

Simple tool to publish Firefox bookmarks as a webpage.

Source - <https://j15h.nu/source/bookmark>

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## Noteworthy Free/Libre/OpenSource Software Contributions

LibIndic (Silpa)	<a href="http://libindic.org">http://libindic.org</a>
jquery.i18n	<a href="https://github.com/wikimedia/jquery.i18n">https://github.com/wikimedia/jquery.i18n</a>
jquery.ime	<a href="https://github.com/wikimedia/jquery.ime">https://github.com/wikimedia/jquery.ime</a>
Game Closure	<a href="https://github.com/gameclosure/devkit">https://github.com/gameclosure/devkit</a>
CyanogenMod / LineageOS	<a href="http://www.lineageos.org/">http://www.lineageos.org/</a>
GNOME Localization	<a href="http://l10n.gnome.org">http://l10n.gnome.org</a>
SMC Fonts	<a href="https://github.com/smc/fonts">https://github.com/smc/fonts</a>

More list of projects can be found at <https://j15h.nu>

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## Activities & Achievements

- \* Received 2018 **MOSS (Mozilla Open Source Support) Award** for my Indic Keyboard work.
- \* **Google Summer of Code (GSOC)** Mentor - For the years 2013, 2014 and 2016.
- \* **SMS Attendance** and **Indic Keyboard** featured on national dailies, Deccan Chronicle, The Hindu, Times of India, Indian Express, The Economic Times, Malayala Manorama, Deshabhimani and Mathrubhumi.
- \* **Indic Keyboard** ranked #1 in India, Saudi Arabia and UAE on top new free tools list.
- \* DeskWiki was one of the 50 selected applications in the **Ubuntu App Showdown** contest.
- \* Yourstory.com wrote a profile on their techie tuesdays column - <https://yourstory.com/2017/03/techie-tuesdays-jishnu-mohan/>

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## Blogs & Social Media

Home Page	<a href="https://j15h.nu">https://j15h.nu</a>
Github	<a href="https://github.com/jishnu7">https://github.com/jishnu7</a>
Gitlab	<a href="https://gitlab.com/jishnu7">https://gitlab.com/jishnu7</a>
Medium	<a href="https://medium.com/@jishnu7">https://medium.com/@jishnu7</a>
Personal/tech	<a href="https://blog.j15h.nu">https://blog.j15h.nu</a>