

## RAHAT MAHBUB

### EDUCATION

**Bachelor of Software Engineering**  
University of Victoria

Sept. 2012 – Apr. 2017  
Victoria, BC

### AWARDS & ACHIEVEMENT

Acknowledged by **Apple Inc.** for finding a cross-site scripting security vulnerability on their web server.

### WORK EXPERIENCE

#### **RealTalk Inc.**

Aug. 2014 – Dec. 2014

FullStack Developer Co-op

- Developed REST APIs using Node.js & MongoDB that allows user authentication, new user registration via OAuth, payments through Stripe, identity verification by phone call etc.
- Designed and built a complete live chat system using socket.io that connects smartphone users of the RealTalk app with customer service representatives using the RealTalk business panel in desktop browsers.
- Integrated APIs to add new functionalities with AngularJS frontend of the business panel and Cordova-based HTML5 mobile app.

#### **Wind River Systems**

Jan. 2014 – Apr. 2014

Embedded Linux Developer (Open Virtualization Profile)

- Integrated and optimized open source packages into Wind River Linux to produce system virtualization capabilities including KVM, VM management, Virtual Node Management, and Cloud Networking & Orchestration.
- Fixed various high priority software bugs in Wind River Linux, mostly in relation to oVirt, a platform virtualization management web application.
- Modified and tested Netmap, a fast packet I/O framework, to work with WRLinux kernel 3.10 and various Intel 10 GbE interfaces.

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	LANGUAGES	FRAMEWORK/LIBRARY	SOFTWARE
TECHNICAL SKILLS	JavaScript	Node.js	Linux
	Java	Android SDK	Git
	Python	AngularJS	MongoDB
	HTML/CSS	JQuery	PostgreSQL
	C	JQuery Mobile	Ionic/Cordova
	Shell Scripting	Metasploit	Wireshark
	SQL	OpenCV/SimpleCV	oVirt

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## PROJECTS

### Medi-App

- A mobile web-app for medical appointment scheduling and prescription tracking.
- Built with Node.js, MongoDB, and JQuery Mobile.

### Ashajo (Currently in-development)

- A simple web-based accounting and inventory management software.
- Built with Node.js and PostgreSQL, running on Heroku.

### IR-Radiation detection robot

- A four-wheel robot that searches for an infrared emitting object, moves towards it and attempts to neutralize the object using its mechanical hand.
- Built with Vex-kit and RobotC.

### Raspberry Pi Signage Player

- A PoC digital signage client developed for University of Victoria that automatically retrieves and plays designated content based on its MAC address.
- Built on Raspbian OS and written in Shell script.

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## PROFILES

Website: <http://web.uvic.ca/~rahatm1/>

Github: <https://github.com/rahatm1/>

StackOverflow: <http://stackoverflow.com/users/2603817/rahat-mahbub>