Jacob Zviagin

# Senior Software Engineer

### Details

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# Profile

Software Engineer, specializing in **React JS**, **Node JS**, **React Native** and **Android Native** Development

Honor B.Sc graduate (89 GPA from Open University)

Working as a mobile and web developer for the past 3 years, and been fortunate to develop numerous large scale projects from  scratch.

Working in the industry as a developer since 2009, honor graduate of BSc in Computer Science.

Code Examples:

<https://bitbucket.org/jzviagin/>

App examples:

gotIt social shopping (US store only) - <https://play.google.com/store/apps/details?id=gotit.com.gotit&hl=en_US&gl=US>

          mirror link (without US account) -

<https://drive.google.com/file/d/1uvf11MWpbuL0q3dN-BVJp3Y9lgSvjM-g/view>

Meelo dating - <https://play.google.com/store/apps/details?id=com.meelo2.mobi>

RunTrackBook (activity tracker with social features, built in React -Native) - <https://play.google.com/store/apps/details?id=com.jzviagin.runTrackBook>

# Education

## Computer Science BSc, Open University

September 2005 — July 2009

Honor student, 89 GPA

# Employment History

## Mobile and web Developer, ORT-Transway, Holon

April 2018 — Present

A member of a small 3 men team in a company providing solutions for the transportation industry.  Responsible exclusively for the following projects:

* **Android based bus driver console** High level **java** development + proprietary H/W code written in C. The console supports selling e-tickets, validating e-tickets, driver debit management and reports.
* **Android based e-ticket (Rav-Kav) Point of Sale** (Intended to run on a proprietary hardware) -  An app  for loading e-tickets, credit card transactions and operator debit management. The development included both client and server side (**Node JS, MS SQL Server**). The management web UI was written using **React JS**.
* **Android based bus inspector app** - (Intended to run on a proprietary hardware) The app uses NFC and phone camera (to scan paper tickets and payment apps). The development included both client and server side, including automatic internally handled updates, without google services. The management web UI was written using **React JS**.

## Mobile and Web Developer, Self Employed

May 2017 — April 2018

Self Employed freelance developer, specializing in Mobile and web development.

Skills:

* Android native development
* React native
* React JS
* MongoDb
* Node JS
* Python
* Java

Notable Projects:

* **GOTit social shopping** application for Android. A complex social network/shopping application. Bring up from scatch to production release. The app can be downloaded here: <https://play.google.com/store/apps/details?id=gotit.com.gotit>
* **Meelo** - A social event based dating app (3 fouders team start up, with more external cunsltants ), intended to make it easier for people to meet at social events. Client and server development, social sign in (FB/Google/Instagam). Server side was developed in Python with MongoDB. link: <https://play.google.com/store/apps/details?id=com.me.meet.meetme>

## Software Engineer, Radcom, Tel Aviv

August 2015 — May 2017

A member in the correlation team in a mobile network tracking system, responsible for collecting data from multiple mobile network elements and matching them to form a specific call or data session.

Skills:

* C
* C++
* Java
* Python
* Mobile network protocols

## Java Software Developer, ECI telecom, Petah Tikva

October 2013 — August 2015

 Full stack developer in the SDN team, responsible for developing a software network solution based on ONOS and OpenDaylight controllers.

Skills:

* ONOS, OpenDaylight
* Java
* Fast L2 packet processing on X86 systems using DPDK
* Openflow Protocol

## Embedded Software Engineer, ECI telecom, Beersheba

December 2010 — October 2013

A member in the Network Processor team for a layer 2 Switch device.

Responsible for developing the network processor driver and the assembly microCode for 2 generations of devices based on EZchip NP3 and NP4. Contributions included adding xSTP and IGMP support to the system.

Skills:

* C, C++
* EZchip NP3 & NP4 assembly
* VXworks Profiling and debugging
* xSTP protocol
* IGMP protocol
* L2, L3 communication

## Linux kernel engineer, VBOX communications, Herzliyya

September 2009 — December 2010

Bring up from scratch of DVB/s/t/c video stream processing Driver in Linux Kernel space for a set top box/streamer device

Skills:

* Linux Kernel remote debugging
* C, C++
* Application layer development in user space
* Bash scripts
* Web interface development

# References

References available upon request