LinkedIn: http://il.linkedin.com/in/zeevbelkin/ Email: koyaanisqatsi@narod.ru ; zeev.belkin@gmail.com **Skype:** zeev.nelkin **Phones:** +972-546465787, +972-2-5857873 **Location:** Jerusalem, Israel. Open for work in Jerusalem area or in the center, or for remote work.	Zeev (Vladimir) Belkin Full-stack and Android developer

Work Experience:

2022 Mar – Present   Software Developer:

> 1. Video broadcasting application development.
> 1.1. For Android env (Java): https://play.google.com/store/apps/details?id=three_d_innotech.poc_3dinnotech
> 1.2. For iOS env Flutter+Swift: https://apps.apple.com/us/app/omnistream-live-video-creator/id1357036858
> 2. Data analysis tools development: Google Big Query SQL/Javascript.

2012 – October 2021   Leading developer. Robin (personal voice assistant)
https://play.google.com/store/apps/details?id=com.magnifis.parking).
I've started to work on this project for company **Megnifis/Robinlabs** (http://robinlabs.com/) when I worked in outsourcing company **Kenlo Group**, then, since **2013** , I continued to work on this project in **Megnifis/Robinlabs** itself. Then, after a pause when I worked in **ExPay Global**, since **2017**, when **Robin** had been acquired by company **Audioburst**, I continued to work on the project as an **Audioburst** employee.
I had been working on this project since its beginning, had created all the project Android side architecture and had written about 70% of the project Android part code. Also, I've developed for the project some NLP algorithms for a voice search in a phone address book. Since 2017 I am also working on the Robin server side. Technologies used on the Android side are:

- Java (initially Java 7, now Java 8 + Lombok annotation processor), Groovy
- Android SDK and AndroidX
- Speech recognition and TTS.
- XML and Json (I've developed my own XML/JSON→Java objects mapper working via annotations and reflection).
- SQLite database (also I've developed my own ORM classes to map SQLite tables to Java objects), Apache commons.
- REST services (Robin own servers and 3d party services).
- OSMDroid library to work with maps (initially the project Google maps SDK).
- Geocoding (OSM, Google, HereWeGo)
- Firebase (including Analytic, Firebase remote configuration and messaging). We use also Google BigQuery to analyse the Firebase Analytic data.
- OAuth2
- IMAP (initially Robin used J2EE JavaMail library, now it users customized K-9 Mail open source code).
- Apache commons libraries.
- IDE: initially Eclipse, now Android Studio (Google-branded IntelliJ IDEA).

Technologies used on the server side are:

- Java J2EE servlets running in Tomcat 8 container in Amazon AWS cloud.
- MySQL via JDBC.
- Web Services (both using and providing): REST, SOAP; XML and JSON.
- Memcached caching.
- Apache commons libraries.

- PHP (also with MySQL), HTML, css.
- Javascript, jQuery.
- Eclipse.

 In addition to work on the Robin, I do for Audioburst some fullstack development. I've developed for Audioburst a browser extension: https://chrome.google.com/webstore/detail/audioburst-search/fklmjdikdlbaoikgfajndhijmjlggjhh (Javascript+jQuery+DOJO), and a Wordpress plugin: https://wordpress.org/plugins/audioburst-player-widget/   (PHP+Javascript+React+jQuery). Also, I've developed there a Wix application similar to the Wordpress plugin.

2014-2015   ExPay Global, Full Stack Developer.
Development and support of system for distributing and selling of co-branded
MasterCard® debit cards.

- Using and implementation of SOAP and REST web services (C# , PHP, Java).
- Anti money laundering analysis and report generation.
- Support for cards with a virtual currency (ILS) different from actual card account
  currency (EUR).
- Customer, end user and back office GUI parts.
- IVR interface to the system (PHP+VoiceXML).

Used technologies included: .NET, C#, MS SQL server Transact-SQL, JS, Java, PHP,
HTML, SOAP, REST, css, VoiceXML. Microsoft Visual Studio.

2010-2013   Kenlo Group, software developer.
Projects:
- Robin personal voice assistant Android part (look, for the details, at my current
  position).
- MIRS Market – content store for MIRS company. I had developed all the client part of
  the store, that is an native Android application written in Java. The used technologies
  included Java, XML (with my own XML-→ POJ mapper), REST services.
- OCR Dictionary – Iphone IOS application written in Javascript (running in a WebView)
  and Objective C. The application takes an image of a text with a camera, recognizes
  it, and the translates it using Google Translate API.
- Development of other Android applications, development of cloud applications in
  Java+Javascript for Google App Engine environment.

**2008   Mega Learning (a startup of JVP), client-side team
developer**

- Developing of MS Internet Explorer Add-On: Implementing of the Add-On
  functionality in JavaScript with DOJO library (The JS part runs in an Explorer
  sidebar implemented as a BHO). I've developed about 60% of all JS code of the
  project.
- Implementation of an Explorer pane image capture for the BHO (C++).

2007-2008   OSP, Software Developer
Worked on a project for a startup company **MyOgger**.
- Client part development: Javascript with library DOJO. There are more then 20
  widgets written especially for this application and lots of other Javascript code. I've
  developed all the client code.
- On the server side, developing of English text analysis tools required for the client
  part. The server part, written in Java, is a servlet running in Tomcat J2EE servlet
  container.
- Development of a Firefox Add-On (JavaScript) required for the debugging.
- The site is down now, but you can see it in action at this video:
  https://www.youtube.com/watch?v=goHIHMC4ZuM

1998-2000   Tradition, Software Developer

- An ISP system (Linux/C++/PHP/MySQL). This is a one host solution for small ISP's to provide dial-up Internet access and per user homepage areas. It was used internally in the company. The system is controlled with a very simple, but powerful, web interface that provides the tariff plans and user accounts management. Also there is a web interface for the users to get their statistic. There are MySQL database, RADIUS daemon (modified version of the cistron), PAM module "pam_isp", Apache+mod_SSL+PHP, FTPD (to upload files to user's web space), sendmail, POP3D+IMAPD with authorizing via "pam_isp ". I completely designed and implemented this system, that was in use during about 4 years.

Freelance projects:

- Genealogical data management application developed for a private customer. This is an extremely lightweight Java 1.1 GUI application that works on different platforms (it was tested with: MS JVM, Sun JVM 1.3 (Windows and Linux) and IBM OS/2 JVM 1.3). The application provides a nice and powerful user interface for browsing, searching, creating and editing genealogical trees, GEDCOM import/export, particular photoalbums, for each person stored in the database.The application has very impressive GUI. Also, the program is very compact and works well on slow computers with small amount of RAM. A specially designed file format was used to store the databases.

- Software part of medical equipment, for "Sensatec" (UK firm), written in Delphi, works on PC that communicates with the equipment via COM-port and via ISA ADC card.

Freeware written in free time:

Ayn\Ayn Lookup (http://zeevbelkin.com/aynayn/) -- a multi-purpose text research Mozilla browser Add-On, with advanced support of Semitic languages. It looks simultaneously for a selected text in many online dictionaries, encyclopedias and in other online resources. Also it converts texts written in Arabic/Syriac scripts (with diacritics if any) to Hebrew writing system (and can feed Hebrew text, transliterated to Syriac writing system, to a Syriac dictionary to find Aramaic translations there). Ayn\Ayn had been developed as a Mozilla XUL browser Add-On, it is not compatible with new Firefox Quantum , but it continues to work with SeaMonkey, Basilisk, Pale Moon, Waterfox and other browsers based on Mozilla XUL. There is also a web version of the transliterator working with any browser. The Add-On is written in Javascript and XUL.

Skills:

- **programming languages:** Java, C, C++, Javascript (AJAX, dojo, DWR, Mozilla extensions, Node.js), C#, PHP, Delphi, x86-assembler;
- **OS's:** Android, Windows, Linux;
- **DBMS:** MySQL, SQLite, MS SQL Server (worked also short time with Oracle and Postgresql);

- **Java related technologies:** JDBC, Hibernate, j2ee (Servlets/JSP, Tomcat, Struts); SWING/AWT, ANT, Gradle.
- IDEs: Eclipse, Android IDE (IntelliJ IDEA), KDevelop;
- **other:** Win16/Win32 (have my own API wrapping library), VoiceXML; .NET ; SOAP/Web Services; RADIUS; H-323; XMLRPC; XUL. Have experience with GIS, and implementation of NLP algorithms.

Languages:

Russian - mother language; English, Hebrew, Spanish.