# Ben Fedidat

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GitHub: https://github.com/fedidat

## EDUCATION

2009 - 2013: Jerusalem College of Technology Machon Lev - **B.Sc. in Telecommunications Engineering**, *with honors, average 92.39*

2009: Lucien De Hirsch, Paris - **Scientific Baccalaureate**, *Specialty: mathematics*

## EXPERIENCE

June 2015 - present: **Military service in Israeli Air Force, Ofek unit**
- Java programmer, with permanent on-call responsibility for the core of a mission-critical system
- Officer training, reached the rank of captain

April. 2014 - June 2015: **Military service in Israeli C4I Corps**
- CTO & Chief Engineer branch: researcher and prototype maker
- Matspen unit: SAP ERP BI/BW and web reports developer

2012 - 2013: **Assistant teacher at the Jerusalem College of Technology**
- Assistant teacher in Linear Algebra, C++, WAN and File Systems

## HONORS, PUBLICATIONS AND CERTIFICATIONS

- **2012 and 2013 excellence scholarships** from the Jerusalem College of Technology.
- **Psychometric Test score: 724/800** according to the standard weighting, 741/800 according to the quantitative reasoning weighting.
- [Patent] Mirsky Yisroel, Fedidat Benjamin, Hadded Yoram. "A harmonic based encryption and decryption system for waveform signals." Patent WO2015097312A1, 26 Dec. 2013.
- CCNA (Cisco Certified Network Associate) Certification, grade 893/1000.

## TECHNOLOGY SKILLS

**Main language**: Java 8 (Spring Boot, Tomcat, JPA).

**Additional languages**: Bash, JavaScript/Node/Typescript, Python, PL/SQL, C/C++, C#.NET, PHP.

**Tools**:

- *IDEs*: Eclipse, IntelliJ IDEA, Visual Studio, Visual Studio Code
- *Development tools*: Git, Gradle, Maven, Ivy, Ant, Jenkins CI, Docker, Atlassian Bamboo, Red Hat Openshift
- *Office programs*: Microsoft Excel, Outlook, Powerpoint, Word, Visio, w/ VBA Macros

- *Other tools*: MATLAB, PL/SQL Developer, Wireshark, JUnit

**Skills and knowledge**: Engineering processes and terminology, web development (client- and server-side), electronics, statistics, embedded systems, network security and management, cryptography, LAN/WANs, TCP-IP protocol stack, cellular networks, experience with Windows and GNU/Linux operating systems, CI/CD, scripting and automation.

## LANGUAGES

English: fluent (IELTS band 8.5/9)
Hebrew: fluent
French: mother tongue (TEF Level C2)

## PROJECT MANAGEMENT (IN THE FRAME OF STUDIES)

- **Graduation project**: a physical-layer and unconditionally secure cryptosystem based on the one-time pad, which also implements stenography, including a prototype running on Arduino Due boards. Patented and sold. Grade: **99/100**.
- Project in Windows Systems Programming (C#.NET, WCF, WPF, ASP.NET). Grade: 100.
- Project in File Management Systems (layered architecture, Windows Forms, Managed C++). Grade: 100.
- Project in Java (MVC, JPA/Derby, Swing GUI, Webservices, C# Client, JSP). Grade: 100.
- Project in Database Systems (ERD/DSD, Oracle DB, SQL, PL/SQL, ASP.NET GUI). Grade: 100.