

# Ben Fedidat

Site: <https://fedidat.com/>

Email: [ben@fedidat.com](mailto:ben@fedidat.com)

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

---

April 2019 - present: **SDE at Amazon**

- Java programmer

June 2015 - March 2019: **Military service in Israeli Air Force, Ofek unit**

- Java programmer, with permanent on-call responsibility for the core of mission-critical systems
- Developed major parts of new services on modern technologies, including architecture and business logic
- Led the containerization and orchestration of core services, and the modernization of build and CI processes
- Was heavily involved in a massive migration between application server platforms across the clusters' services
- Investigated and resolved dozens of performance- and reliability-related events
- Completion of 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 with embedded circuits and C#.NET
- Matspen unit: SAP ERP BI/BW and full-stack+D3.js web reports developer

## 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.
- 2019 Lt. Col.'s unit distinction for excellence.
- CCNA (Cisco Certified Network Associate) Certification, grade 893/1000.
- [Paper] Mirsky, Y., Fedidat, B., & Haddad, Y. (2019). Physical Layer Encryption using a Vernam Cipher. arXiv, arXiv-1910.
- [Patent] Mirsky, Y., Fedidat, B., & Haddad, Y. A harmonic based encryption and decryption system for waveform signals. Patent WO2015097312A1, 26 Dec. 2013.

## TECHNOLOGY SKILLS

---

### Programming languages:

- Professional level: Java w/ Spring Boot, Tomcat, JPA
- Current knowledge: Python, Bash, JavaScript/Node/Typescript, PL/SQL, Golang
- Previous experience: C/C++, C#.NET, Kotlin, 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, ELK stack
- *Other tools*: Office programs (Microsoft Excel, Powerpoint, Word, Visio, VBA Macros), MATLAB, Wireshark, JUnit

### Skills and knowledge:

- *Development*: engineering processes and terminology, web development (client- and server-side), RESTful web microservices, data structures and algorithms, electronics, statistics
- *Networking*: TCP-IP protocol stack, LAN/WANs, network security and management, cryptography, cellular networks
- *Systems*: experience with GNU/Linux and Windows operating systems, CI/CD, scripting, automation

## LANGUAGES

---

English: fluent (IELTS band 8.5/9)

Hebrew: fluent

French: native (TEF Level C2)