

Ben Fedidat

Site: <https://fedidat.com>

Email: ben@fedidat.com

GitHub: <https://github.com/fedidat>

Phone: 052-444-9766

EDUCATION

2009 – 2013: Jerusalem College of Technology – **B.Sc. in Telecommunications Engineering**, *with honors, 92.39*

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

EXPERIENCE

January 2022 – present: **Senior SWE at Google**

- Python developer at Google Duplex, using ML to make fully automated calls on behalf of users
- Leveraged GenAI to create a generic platform connecting bots to the real world through telephony

April 2019 – January 2022: **SDE at Amazon**

- Java programmer at Alexa Shopping Reorder team, involved in ML, NLP and query understanding
- Took part in creating AWS Resilience Hub, from initial design all the way to productionization

June 2015 – March 2019: **Military service in Israeli Air Force, Ofek unit, captain rank**

- Java programmer with permanent on-call responsibility for the core of mission-critical systems
- Led development of modernization, containerization and improved performance and reliability

April. 2014 – June 2015: **Military service in Israeli C4I Corps**

- CTO & Chief Engineer branch: researcher and prototype maker with embedded circuits and C#.NET
- Compass unit: SAP ERP BI/BW and full-stack 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: Python, Java, JavaScript/NodeJS/Typescript, SQL, C++
- Previous experience: C#.NET, Bash, Golang, PHP

Tools:

- *IDEs:* Visual Studio Code, IntelliJ IDEA, Eclipse, Visual Studio

- *Development tools*: Mercurial, git, Kubernetes/Docker, Gradle, Maven, Ivy, Ant, Jenkins CI, Atlassian, ELK stack
- *Other tools*: Figma, Microsoft Office programs (Excel, Powerpoint, Word, Visio, VBA Macros), MATLAB, Wireshark

Skills and knowledge:

- *Development*: engineering processes and terminology, web development (frontend and backend, microservices), testing, 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)