

# Sapir Shamay

## 👤 Profile

**Dedicated Python Developer and Data Analyst with strong expertise in AI technologies, cloud environments, and software development. Seeking a Junior Software Developer role specializing in Generative AI systems. Proven track record of implementing advanced Python solutions, working with AI models, and developing innovative software applications with a focus on cutting-edge technologies.**

## Employment History

**Senior R&D analyst at Simplex (by Nuvei)** October 2021 — March 2025

### AI Model Features Python Developer:

Developed advanced features and rules for AI-powered payment processing models, utilizing sophisticated Python development techniques. Implemented comprehensive unit testing frameworks to ensure robust and reliable functionalities. Led end-to-end project addressing regulatory requirements, demonstrating strong problem-solving and technical implementation skills.

### Data Analyst & Payment Optimization Researcher:

Optimized transaction authorization processes by analyzing big data using Databricks, PySpark, and SQL Server on Microsoft Azure. Leveraged AWS SageMaker for advanced data analysis and machine learning applications. Monitored real-time user behavior and system performance using advanced monitoring tools.

### Scrum Master and Training Mentor:

Prioritized team tasks, led Scrum meetings, and developed comprehensive training programs for new team members, showcasing leadership and mentoring capabilities.

**Software developer at Wix** August 2019 — November 2020

Developed end-to-end frontend features using React and JavaScript, creating responsive and accessible UI components. Implemented solutions across 6 Wix products used by millions of users, demonstrating ability to work on large-scale software applications.

### Development, Team leader, Captain at MAMRAM

May 2013 — August 2015

Designed and built cross-organizational software solutions for the central HR division of the IDF. Developed complex software systems affecting tens of thousands of users using specialized procedural programming languages.

## 🎓 Education

**BSc in Software and Information System Engineering,**

**Ben-Gurion University of the Negev (Average - 83)** October 2018 — October 2022

Applied Machine Learning (MSc course) - 91

*Ongoing Education*

**LLM Engineering: Master AI, Large Language Models & Agents (Udemy-2025)**

Hands-on training in LLMs and AI agents, including:

- RAG implementation, function calling, and prompt engineering
- Projects: AI brochure generator, multi-modal support agent, code assistant
- Focus on LLM evaluation, optimization, and real-world applications

## Details

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## Languages

Hebrew, English

## Skills

Programming Languages:  
Python

Cloud Platforms: AWS, Azure

Databases: PostgreSQL, SQL Server

AI & Data Tools: Databricks, PySpark, Jupyter Notebooks

DevOps: Git, Jenkins

Data Analysis: Numpy, Pandas

Monitoring: Redash, Amplitude, New Relic

Advanced AI Technologies:  
RAG, Large Language Models, AI Agents