# Dori Rozen
## *Software Engineer*

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⚭ Single  🔗 Resume Website  in LinkedIn Profile

## 🪪 About Me

B.Sc ⬈ in Software Engineering with Machine Learning specialization. Dependable and team-oriented professional with strong foundation in object-oriented programming, clean architecture, and AI applications. Excel at rapidly learning new technologies and developing efficient automation solutions. Methodical problem-solver who approaches complex challenges while maintaining focus on system architecture. Self-motivated with strong organizational abilities to manage multiple tasks simultaneously. Effective communicator with both technical and non-technical stakeholders, delivering innovative solutions that balance technical excellence with practical business value. Passionate about continuous growth and mastering emerging technologies to the level where I can effectively mentor others, consistently striving for excellence in all technical domains. Experienced in end-to-end feature development with a results-driven mindset that prioritizes robust, scalable solutions that meet business objectives while adhering to best practices in software engineering.

## 💼 Work Experience

**Backend Developer - Muvan AI**                                                                 2024 - 2025
- Developed Python automation solutions (xlwings, openpyxl) for complex Excel                Tel Aviv, Israel
  spreadsheets handling 100,000+ rows for property management clients
- Deployed 23 Streamlit data visualization websites with admin dashboards for
  critical business metrics
- Managed cloud infrastructure on Azure/AWS including Lambda functions and S3
  storage for custom reporting
- Implemented NLP models and applied design patterns, SOLID principles, and clean
  architecture practices
- Led end-to-end project lifecycles with comprehensive error handling and testing
  procedures

**Research Assistant | Diarization & Speech Processing - Ariel university**                              2024
- Implemented neural networks for speaker diarization to automate voice separation
  in multi-speaker conversations
- Created multilingual speech datasets and developed validation frameworks using
  language models and LangChain
- Designed algorithms for optimal conversation flow between audio recordings
- Collaborated with researchers and engineers to integrate technology into
  transcription and audio indexing applications

## 🎨 Skills

**Programming Language** — Python, Dart, SQL, Java, C ,Linux

**AI/ML/Data Science** — Machine Learning Algorithms, Deep Learning, Artificial Neural Networks, Computer Vision, NLP, LangChain, LLMs, GenAI, PyTorch

**Software Development** — Object-Oriented Programming (OOP), Object-Oriented Design, Clean Architecture, Design Patterns, Test-Driven Development, Data Structures, Creative Problem Solving

**Cloud & DevOps** — AWS (Lambda, S3, EC2, IAM, Route 53), Microsoft Azure, CI/CD, Git, GitHub

**Web & Mobile** — Web Development, Flutter, Firebase, Streamlit

**Data Processing** — Apache Spark, Excel Automation, Openpyxl, Xlwings