Software Developer

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**Summary**

* **1+ year** of experience as a **Software Developer** with a **M.Sc. in Computer Science**, GPA: 90.
* Proficient in **Python**, **C**, **C++**, **Java**, **SQL**, and **React Native**.
* Strong background in **Python libraries** and frameworks: **Pandas**, NumPy, scikit-learn, Selenium, TensorFlow, and **PyTorch**.
* Practical experience with **OOP**, Postman, **Jira**, and JSON.
* Familiar with **JavaScript, HTML, CSS**, and version control using Git.
* Experienced in **Agile** software development methodologies and team collaboration.
* Completed advanced courses in **Generative AI, NLP with Transformers**, **Rapid Application Development with LLMs**, and **Deep Learning**.

**Experience**

2025 - Now **Software Developer,** Self-Employed

* **Used Technologies:** Frappe, JavaScript, Python, Priority.
* **Designed and developed a complete custom ERP system** using the **Frappe** framework.   
  I delivered a fully functional POC that exceeded client expectations.
* **Implemented complex hierarchical customer management** with related project visualization, **developing client-side (JavaScript)** and **server-side (Python)** scripts to handle sophisticated business logic.
* **Integrated** the system with **Priority** services.
* **Built an intuitive, role-based UI** for project management, allowing real-time status updates.

2024 - 2024 **Software Developer & Technical Project Coordinator,** Electronic Government Authority

* **Used Technologies:** React Native, Python, Solidity, Flask, Postman, DigitalOcean, Jira.
* **Developed a blockchain-based payment mobile app** using **React Native,** following **Agile** methodology, and managing the **development process** with **Jira**.
* **Performed manual QA testing** on the backend **Python** and **Solidity** codeusing **Postman**.
* **Transferred the Flask** and **blockchain** servers to run on the **DigitalOcean cloud**.
* **Developed** and **delivered** a 20-hour **Artificial Intelligence, Algorithms, Computer Networks,** and **Computer Graphics** course for high school graduates.
* Assisted in **managing multiple projects** by tracking **milestones** and ensuring deliverables were met.
* **Provided insights** and updates to **senior management**, which streamlined workflow efficiency.

2016 - 2018 **Information Systems Product Manager**, **IDF**

* **Crafted characterizations** for novel information systems, ensuring alignment with user requisites.
* **Monitored** the **development** and **implementation** of **5 new systems.**
* **Identified** ways to streamline working processes by utilizing **information systems.**

**Education & Certificates**

2023 **M.Sc. in Computer Science**, The Open University of Israel | **90 GPA**

* Courses: algorithms, computational vision, deep learning, and algorithms for big data.

2019 - 2023 **B.Sc. in Computer Science**, The Hebrew University of Jerusalem | **82 GPA**

* Courses: Database, Communication Networks, AI, Data Science, OOP, Natural Language Processing (NLP), Image Processing, Machine Learning, Operating Systems.

2025 **Gen AI Intensive,** Kaggle (Google)

2024 **Rapid Application Development with Large Language Models (LLMs)**, Nvidia

2024 **Building Transformer-Based Natural Language Processing Applications**, Nvidia

2024 **Fundamentals of Deep Learning**, Nvidia

**Professional Projects**

**Font Recognition in Natural Images**

* **Developed an algorithm** to identify the font of characters rendered on natural images.
* Applied **computer vision techniques**, **deep learning**, and **image processing** knowledge to a real-world problem.
* *https://github.com/danielvishna/Font-Recognition*

**Stock Trend Bot Project**

* **Developed a Python-based machine learning model**, Reinforcement Learning (**Deep Q-Learning**), using **TensorFlow** to predict stock market trends.
* Analyzed historical stock data and implemented various **algorithms for prediction**.
* Demonstrated proficiency in Python, **data preprocessing**, and machine learning techniques
* *https://github.com/danielvishna/The-Wall-Street-Orca*

**Data Analysis of NY's Taxi Services**

* **Utilized Python** to analyze extensive New York taxi data to optimize city taxi services using **pandas**, **numpy**, and **sklearn**.
* **Extracted insights** from the data and **provided recommendations** for service improvements.
* Applied skills in **data preprocessing, analysis,** and **visualization**.
* *https://github.com/danielvishna/NYC-taxi*

**Personalized Job Application Assistant Project**

* **Implemented web scraping techniques** using **Selenium** to extract job details from dynamic websites like LinkedIn.
* Integrated **NLP -** **natural language processing** with OpenAI's GPT-3.5 Turbo to generate personalized cover letters or resumes that address specific job requirements and showcase unique qualifications.
* *https://github.com/danielvishna/Personalize\_Resume*

**Professional Skills**

Proficient in **Python, C, C++, SQL**, **Java**, and **React Native**.   
Knowledgeable in **Git** and **JavaScript**.

**Languages**

**Hebrew** - Native, **English** - High proficiency.