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|  | Esther Malka  Senior Software Engineer [linkedin.com/in/esther-malka-7843682b](https://www.linkedin.com/in/esther-malka-7843682b)  [esther\_s\_cd@hotmail.com](mailto:esther_s_cd@hotmail.com) / 054-3113902 | * 20 years of experience. Specializing in backend and frontend development, system integration, and robust database management across various industries * Creative, organized, and smart thinker * Expert in delivering out-of-the-box solutions and responsible, high-quality results |

# **Professional Experience**

###### **iAngels (Fintech) - Senior Software Engineer with** DevOps **Responsibilities March 2022 - Present**

* Led the end-to-end development process, including system design, technology selection, and infrastructure.
* Created new features, investigated and resolved core system bugs, upgraded versions, and refactored code for a web platform with a **Ruby** backend, **React** front-end with **Redux Saga** for state management, **MongoDB** database, and **Sidekiq** with **Redis** for background job.
* Example project: Designed and implemented a robust document uploader system, automating email notifications.
* Designed and implemented two advanced automation tools in Python:
  + Slack Reporting: Extracts data from Slack channels and generates customizable reports via a config file. Includes a manual Flask-based UI and scheduled **cron** execution.
  + Anomaly Detection: A modular engine that identifies suspicious activity across systems (Auth0, Mixpanel, MongoDB, etc.). Built using a decorator-based registry pattern, where each rule, extractor, and action automatically registers itself — enabling full extensibility without modifying core logic. Integrated lightweight AI models for data classification and explanations, adding value to detection workflows.
* Advanced CI/CD pipeline ownership using **Travis** CI, automating testing, building, and deployment processes.
* Strengthened **AWS** expertise through real-world incident handling:
* Managed **EC2** instances, **IAM** roles and users, **S3** buckets, **CloudFront** distributions, and TLS certificate creation; configured DNS with **Cloudflare**.
* Initiated security audits and monitoring through **CloudTrail** log analysis.
* Containerized microservices with **Docker**
* Proficient in **Git** for version control, Linux for server management, and authored project specifications.
* Familiar with integrating services such as **Auth0, Salesforce, SendGrid, Google Analytics, Mixpanel, Segment, and Cloudinary**.
* Developed in IDEs like **VS Code** and **Cloud9**.
* Mentored junior developers, providing guidance on best practices and code reviews. Facilitated knowledge sharing sessions and contributed to team-building activities, fostering a collaborative and innovative work environment.
* Created documentation and how-to guides, including procedures for environment building, full process documentation of various workflows, and specifications.

###### **Ness Technologies (Fintech) - Senior Software Engineer 2016 - 2020 Clients: Bank Mizrahi, Gaya’s project (system for provident funds Excellence, Meitav Dash….)**

* End-to-end responsibility for the revaluation modules. Core banking application development, system maintenance, integrating new features (also in legacy modules) using **C#**. Managed version control using **TFS**.
* System analysis with both business and IT managers, including requirements definition,technical and business verification, solutioning, detailed design and specification documents.
* Ongoing diagnosis for complex financial incidents.
* Monitoring the monthly revaluation process, full support and real time troubleshooting.
* Complex **Oracle** DB development: **PL/SQL** queries, packages, store procedures etc.
* Facilitated training sessions and knowledge-sharing meetings to enhance team skills and project understanding. Mentored junior developers and trained new employees, fostering a collaborative and growth-oriented team environment.

#### **Hashavim H.P.S (Legal domain) - Full Stack Developer *2010 - 2016***

* End to end system management: back office, backend and frontend using **ASP.NET, jQuery** and **SQL Server** (Lucene search engine). Refactoring using **MVC**.(**[Takdin](https://www.takdin.co.il/search)** - a search engine of legal documents and rulings in Israel.)
* Developed a lightweight version of a search engine from scratch, utilizing URL **Rewriter/ISAPI Filter**. The results were outstanding, **achieving top ranking**s in Google search results (**SEO**) and significantly increasing the company's revenue.
* Example of project: Full integration of two different legal system edition (Takdin - **VBA**, DinimVeod -C#) into a single performant robot solution for automatic preliminary content editing (which are mandatory prior to the publication).

#### **C.D.I Systems - Web Developer *2002 - 2010***

* Web development - client side Jquery, javascript, AJAX. Server Side - **ASP** and upgraded to **ASP.NET**. Based on NetIS technology (E-Commerce/WCM platform including DRM) .(**[Takdin](https://www.takdin.co.il/search)** - a search engine of legal documents and rulings in Israel.)
* Development of responsive sites for mobile devices (IPhone, Symbian, HTC...)
* Editing robot: from-scratch development of a dedicated tool for automatic and manual editing of legal content using MS Office tools and **VBA** macros.
* Building D&B website company **search engine**, displaying search results both in list and geographic maps using **AtlasCT API.**

**Education**

***2000 – 2004* /University of Pierre et Marie Curie Paris VI - (Paris, France) / MIAS**

* Bachelor of Mathematics and Computer Science (MIAS) applied to sciences (physics, chemistry).
* Self-learned through the Open University, demonstrating a strong ability for independent study and self-motivation.

***2000 – 2002* /Ofakim College (Israel)**

* Software engineer
* Certificate in Computer and Mathematics teaching

**Courses**

***2021* – Udemy - Thibault Houdon/Python -** Complete **Python** training.

***2021* - Kamatech / ActiveCode -** Learning technologies : **Nodejs, React, MongoDB, RestApi, Git.**

**Languages**

**Hebrew**: Fluent **English**: Professional proficient **French**: Native