

# Niv Rimon Software Developer

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Experienced **Software developer** with a strong background in an **IDF technology unit** and early-stage startups.

Motivated team player, quick learner, and strong communicator. Thrives under pressure and excels in guiding and presenting to large groups.

Actively seeking a new role.

Portfolio - [nivrmon.com](https://nivrmon.com)

GitHub - [github.com/Nivrin](https://github.com/Nivrin)

Linkedin - [linkedin.com/in/niv-rimon/](https://linkedin.com/in/niv-rimon/)

## Experience

### Ad Knight — R&D Backend Engineer (May 2024 – Present)

- Led the research, design, and development of an innovative, full real-time IoT product lifecycle—from initial concept to global deployment
- Architected and implemented solutions leveraging **MySQL**, **TimescaleDB**, and **DynamoDB** to enable configuration management, real-time analytics, and intelligent decision-making.
- Developed **RESTful APIs** using **FastAPI** to integrate LPR cameras into data pipelines and to support external integrations with customers.
- Designed algorithms to integrate and analyze data from visual (VISINT) and radio frequency (OSINT) sensors.
- Architected and developed **Python-based** microservices for processing large-scale RF and video data in real time, integrating with **AWS IoT Core** and **RabbitMQ**.
- Built and implemented **CI/CD pipelines** using **GitLab CI/CD** to automate **microservices** deployment on **AWS ECS**.
- Designed and implemented a **CloudWatch** monitoring solution with SMA/email alert systems for proactive issue detection.
- Managed and optimized AWS services—including **ECS**, **S3**, **RDS**, **IoT Core**, **Lambda**, and **CloudWatch**—for efficient deployment, continuous monitoring, and overall system performance improvement.

### Cloud-Wise — Software Developer (Jul 2023 – Apr 2024)

- Developed and maintained APIs and web services using **C#** for the creation of scalable and efficient systems.
- Developed and designed web applications using **Angular.js**.
- Managed **Microsoft SQL Server** to ensure seamless data management.
- Hosted systems on both **AWS** and **Azure** cloud platforms.

### IDF - intelligence 9900 unit — Co-Creator and Commander of Programming Course (Feb 2023 - Jul 2023)

- Delta Course- Full stack Developer course of IDF .
- Commanded a team of 16 soldiers, instructing them in programming, offering professional guidance and mentorship, and designing professional exercises and assessments to enhance their skill development.

### IDF - intelligence 9900 unit — Back-End Developer (Apr 2022 - Jul 2023)

- Developed **Python-based microservices** to improve the scalability and performance of a mapping application.
- Studied **TileDB** and **GDAL** technical documentation to deepen my understanding of their capabilities.
- Built and maintained **GitLab CI/CD** pipelines to streamline the continuous integration and deployment of software.
- Designed and implemented APIs to facilitate seamless communication between platforms using **FastAPI**.

### IDF - intelligence 9900 unit — Geodata analyst (Nov 2019 - Apr 2022)

- Developed **Python** algorithms for geo-spatial data extraction based on analytical inquiries.
- Conducted in-depth analysis of various data aspects, identified and resolved issues, and successfully enhanced data performance.

## Skills

**Languages** - Python , C#, JavaScript

**Technologies** - FastAPI, Microservices, Docker products, RabbitMQ, S3, Lambda, ECS, RDS, CloudWatch, IOT core, Git, CI/CD, GIS, Firebase, React.js

**Databases** - TimescaleDB, MySQL, Microsoft SQL Server, DynamoDB

## Education

### IDF - John Bryce Course — Full Stack Development Course (Dec 2021- Apr 2022)

Programming in a .NET Core environment- Full Stack Development using C# and React.

### IDF - intelligence 9900 unit — Mapping And Geo-Information Course (Oct 2019 - Jan 2020)

Mapping and Geo-Information (**GIS**) base and advanced course.

### Ahad Ha'am high school (Sep 2017 - Jun 2019)

5 units of math and English and 10 units of systems design and programming.

## Achievements

### IDF - intelligence 9900 unit — Israeli Military Intelligence Certificate of Excellence (Aug 2023)

"Co-creator of IDF Intelligence Corps' Delta Full Stack Development Course, a top 10 project of 2023."

### IDF - intelligence 9900 unit — Israeli Military Intelligence Certificate of Excellence (Jun 2021)

"Recognition of excellence in thinking outside the box and achievement of unit goals."