

# Alex D'agostino Aleksandrov - IoT Developer

## About Me

I've been captivated by the world of IoT for years - fascinated by the silent conversations happening behind the scenes between devices, microservices, and infrastructure. I love building the invisible layers that bring everyday products to life.

## Professional Experience

### Phasefour, Eindhoven, NL | iOS Developer | Salvo Geotracking solution

*January 2024 - March 2024*

- Developed a **battery-efficient** user tracking app using client-side geofencing (**Swift**, **SwiftUI**, **SQLite**, **iOS**).
- Achieved **less than 10% daily battery consumption** while maintaining reliable background operation.
- Quickly prototyped and optimized **under a tight 1-month deadline**.

### Phasefour, Eindhoven, NL | Full Stack Developer | Salvo Geotracking solutions

*March 2024 - April 2024*

- Created a **geofence drawing tool** and project organization platform using **C#**, **ASP.NET**, **Azure services** and **React**.
- Enabled **near-instant geofence suggestions** based on historical data and user location.
- **Automated geofence loading and project creation workflows** for users.

### Phasefour, Eindhoven, NL | Full Stack Developer | Frijado

*April 2024*

- Designed and built a **POC that led to client acquisition**, incorporating:
  - **React UI** and **Express** backend simulating IoT devices
  - **ASP.NET** backend with Azure services such as **IoTHub**, **Cosmos DB**, **Blob Storage**, **Event hub**, **Tables**

### Phasefour, Eindhoven, NL | Full Stack Developer | Frijado

*May 2024 - January 2025*

- Delivered a full-featured **real time IoT dashboard** using **C#, ASP.NET, React18, Microsoft EntraID, MSSQL**.
- Features included **device onboarding, monitoring, custom rule engine, application insights**, and secure auth via Entra ID.

## **CGM Consulting, Turin | Backend Developer | Sense Reply/Gridspertise**

*February 2025 - Present*

- Working on distributed system architecture with technologies such as **Go, Rust, Wasm, Dapr, Openshift** and many more.
- Key contributions:
  - Integrating apps with **OpenTelemetry** standards for metric collection
  - Integrated monitoring and observability through **Prometheus** and **Loki** for metrics and log aggregation.
  - Developed and deployed **Twelve Factor Applications**
  - Designed an **Observation API** integrating with **InfluxDB** and **MongoDB**
  - **Removed technical debt** through refactoring or full rewrites
  - **Reduced CPU usage by 10x and RAM by 15x** across multiple microservices
  - **Added comprehensive documentation and OpenAPI/AsyncAPI specifications**

## **Open Source Contributions**

I actively improve tools I use daily, including:

- [vscode neovim](#)
- [dapr](#)
- [ascanius config library](#)

## **Education**

**Liceo Classico Antonio Canova, Treviso** *2016 - 2021*

**Technical University of Eindhoven (TU/e)** *2021 - 2023* Bachelor of Computer Science

## **Languages**

- **Italian (Native)**
- **Serbian (Native)**
- **English (Academic)**

- Spanish (Conversational)

## Find me on

- [LinkedIn](#)
- [Github](#)

## Updated cv

In case you wish to keep an eye on my cv, you can find the latest version on [Github](#)