

# Nathaniel Dragusin

## Application Engineer

### About

As an enthusiastic developer, I enjoy creating scalable products that improve based on metrics. I am a keen learner and do well in large teams, but I also appreciate the autonomy of working independently.

### Experience

OCTOBER 2023 - FEBRUARY 2024

#### **FuturU, UK** – *Software Engineer*

Revamped the front-end of Amazon Amplify and AI-powered health-ed app, reducing the codebase by 61% and enhancing user experience with new widgets, components, and animations.

SEPTEMBER 2021 - SEPTEMBER 2023

#### **Good With, UK** – *Full-stack Developer*

- Pioneered the establishment of the tech stack, overseeing DevOps, CI/CD, and managing Google Cloud infrastructure using NodeJS and Terraform.
- Led team in developing a scalable fintech app in Flutter using open-banking technology, securing over £600k in grant funding.
- Innovated frameworks for seamless content integration and educational platforms, managing a full-stack chatbot used in machine learning.
- Ensured regulatory compliance and on-time delivery of product features through strategic project planning.

MARCH 2021 - SEPTEMBER 2021

#### **Oniksa, UK** – *Full-stack Developer*

Revamped market entry with user-tested Flutter fintech app, utilizing BLoC and RESTful APIs and sticking to strict quality standards through test-driven development.

AUGUST 2019 - SEPTEMBER 2020

#### **VIPAS, Romania** – *Flutter Developer*

- Prototyped Flutter app for electric vehicle users, implementing authentication, geofencing, maps, and profile creation.
- Cut operating costs by researching and benchmarking open-source transportation routing software.

### Personal Projects ([View All](#))

#### **LAN Chat** – [Github](#), [Google Play](#)

This serverless local network chat app uses TCP/UDP packets, supporting text, image, file sharing, client discovery, and a clean UI.

Published on Google Play with over 5000 installs, built using a handcrafted LAN framework for heartbeat recognition, custom names, and messages in local packets.

### Contact

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### Skills

Flutter, C#, TypeScript, NodeJS, .NET, Firebase, Google Cloud, Terraform, Git, CI/CD, TDD.

### Awards

#### **1st Place National Hackathon**

Mobile App Development,  
iTEC Romania 2019

#### **1st Place National Contest**

Minecraft in Education,  
Microsoft Youthspark 2019

### Based In

Bristol, United Kingdom

## **Lethologica** - [\*Google Play\*](#)

Look up words in the dictionary and save them into this easy-to-use, minimalistic vocabulary.

Lethologica is a Flutter app with a clean design that provides English queries, auto suggestions, and offline word vocabulary.

## **MagicHome** - [\*Github\*](#)

C# and .NET library enabling control of MagicHome-compatible light bulbs and LED strips within the same network.

It was developed by reverse engineering and packet listening smart lighting at home.

## **FlutterFall** - [\*Github\*](#)

Architectural design pattern for Flutter with modular directory structure, repository pattern, and 3-layered object separation.

It is bundled with helper tools such as VSCode extensions and snippets for efficient pattern implementation.

## **Tapline**

Flutter app for brewing enthusiasts with a recipe editor, calculators for bitterness, color, ABV, OG, and assistant managing timers and to-dos for a seamless brewing experience.