

Hi, my name is Baran Babur and I can be reached through email at [cv@baran.email](mailto:cv@baran.email). Feel free to explore my personal website and blog at [baran.live](http://baran.live). I'm currently based in Acton, London.

## Experience

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### Sky UK (contractor through Sparta Global)

Aug 2022 - Present

#### Software Engineer

- I've now spent almost 18 months working with .NET and C# in a micro-services architecture. During this time, I've picked up knowledge on deploying code through CI/CD using Jenkins and Concourse. Picked up Kubernetes knowledge and how it helps with deployment orchestration. I've also gained experience working with and writing a variety of tests. These include functional, non-functional, integration and smoke tests.
- Introduced and familiarised our team with automatic horizontal pod scaling to tackle our cloud costs.
- Delivered a presentation of our team's 2023 Q1 achievements to management and stakeholders.
- Using Agile workflows on a daily basis to understand and deliver to stakeholder requirements.
- Leading over 30 Spartans at Sky as a Sparta Global Champion - mentoring any new starters and offering my support and guidance.

### Co-founded Spyro Studio (Development Agency)

March 2023 - Sept 2023

Live link: [spyro.studio](http://spyro.studio)

- My housemate at the time and I created this development agency to work on various contract jobs we found on platforms such as Upwork and Indeed. We used a variety of tools and technologies in this time including both frontend and backend.
- Our main project was creating a wrapper app around ChatGPT and the OpenAI language models. We used React Native, NestJS, GraphQL, MongoDB and Tamagui. My role in this was to create the backend - I used NestJS to allow the storing of user profiles. I also implemented authentication for the application, allowing users to sign in with Apple and other social providers.

### Open Source Contributions

- Contributed to the official repository of GatsbyJS framework with this [PR](#) to add documentation for new code features.
- Edited the official ASP.NET Core documentation to change code examples with this [PR](#).
- More contributions available on my GitHub account ([baranbbr](https://github.com/baranbbr)).

## Projects

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### Phishing Website Detection - Flask, Pandas, NumPy, SciKit Learn

GitHub repository: [github.com/baranbbr/phishing-detection](https://github.com/baranbbr/phishing-detection)

- For my University final year project my objective was to create a tool that allows users to verify the legitimacy of messages they receive with links from sources they don't fully trust.
- My tool would extract features from the link, such as whether it uses HTTPS, if it has a subdomain, the number of special characters etc. and generates a percentage of how likely the URL is to be phishing.
- To create the backend, various datasets were found and combined. Blacklists were also used for extra accuracy to achieve the best-performing model.
- Many machine learning algorithms were applied to attain a model with the highest accuracy. The models were then extracted and uploaded to a server, allowing users to interact with a frontend and get classifications for their own URLs.

## Social Media Posting Tool - React, NextJS, Supabase, NodeJS

Live link: [emailyourpost.vercel.app](mailto:yourpost.vercel.app)

- When you send an email, it takes the body, preserving the formatting and posts the content to Twitter.
- Makes use of the Twitter API to post to authenticated users' accounts.
- Backend hosts a cron job and parses the incoming text using Node and posts it to Twitter.
- Had double-digit users but now I've shut it down as the Twitter API became paid.

## Ecommerce Website - SQLite, Koa, Handlebars, Node

Live link: [wingroad.onrender.com](http://wingroad.onrender.com)

GitHub repository: [github.com/baranbbr/wingroad](https://github.com/baranbbr/wingroad)

- Used TailwindCSS and HandlebarsJS for frontend, KoaJS for the backend, and Ava for unit testing.
- Sellers create listings for their products; buyers view the listings and can contact the seller.
- SQLite3 with users' email and password for authentication.

## WordPress Content App - 2nd place at Hackathon - React Native

Video demo: [youtu.be/OgF\\_\\_L5f77Q](https://youtu.be/OgF__L5f77Q)

GitHub repository: [github.com/baranbbr/parakeet-wp](https://github.com/baranbbr/parakeet-wp)

- App allows the content of WordPress websites to be viewable on mobile, allowing customisation of the viewer to suit the user's needs in a UI and UX focused way.
- I designed and implemented the UI with a focus on functionality and UX using React Native.
- This project won second place in our University hackathon.

## Education

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### Coventry University

Sept 2019 - July 2022

#### *Bachelor of Science in Computer Science*

- Attained a First-Class Honours.
- Completed a variety of modules covering Software Engineering, Machine Learning, Artificial Intelligence, Data Structures and Algorithms and Mathematics for Computer Science.
- Enrolled on the Global Leaders Programme where there were often guest talks and activities held.

### Alton College

Sept 2017 - June 2019

- Completed and gained A-Levels in Computer Science, Biology and Physics.

## Skills

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Languages: C#, SQL, TypeScript, JavaScript, Bash, Groovy, Scala

Technologies: ASP.NET, NUnit, ReactJS, Kubernetes, Git, Selenium

Methodologies: Agile, Event Driven Development, Object-orientated Design Patterns, CI/CD

## Interests and Achievements

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- I enjoy football and most sports. I enjoy coding as a hobby and love learning new tools and technologies and equally teaching people new things.
- As in the experience section, I'm a Sparta Global Champion where I'm leading over 30 Spartans at Sky. In this role I support new joiners and offer my support and guidance to all Spartans.