

HARRY GORDON

Lead Full-Stack .NET Developer

Summary

Harry Gordon

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I'm a .NET developer with 14+ years of experience working on web and native applications.

I find my skill set is excellent for small teams and start-ups: I enjoy scoping projects as well as pitching to clients; I can build great user interfaces with modern JavaScript/frameworks; design, build and integrate with the APIs to support those interfaces; and lastly architect the Azure architecture that underpins it (databases, queues, microservices).

I particularly enjoy working on large .NET Core platforms on Azure, especially where there is a strong focus on robustness and scalability. When working on platforms with no margin error (e.g. financial systems) I've found I enjoy test-driven development, including careful unit testing and integration testing.

In terms of technologies, I pride myself on flexibility and choosing the right tool for the job. I have worked extensively with JavaScript and various frameworks (mostly React) for front-end and with .NET for back-end. I've recently experimented with Astro JS for static and hybrid/serverless sites and have previously used Django (Python) for content management.

As a team lead, I feel that I bring a sense of enthusiasm, calm focus, patience and ownership. I take the success of any project I'm a part of very seriously and I'm happy to be a key driving force. I'm very happy working with remote/distributed teams and have done so successfully for the last 5 years, but prefer some F2F office time (hybrid). I prefer daily stand-ups but different things work for different teams.

Skills

C# · C++ · .NET Core · .NET Framework · Umbraco CMS · React · JavaScript · Xamarin · Azure · Azure Functions (Serverless) · Microservices · Cosmos DB (NoSQL) · Entity Framework · MSSQL · Identity · Azure AD/B2C · Git · Azure DevOps · CI/CD · Test-Driven-Development

Minor: Astro JS, Capacitor, MongoDB, Redis

Positions

Contract / C# / Full-Stack Developer

DECEMBER 2019 - PRESENT, EDINBURGH

Intelligent Mobile / C# / Senior Full-Stack Developer

NOVEMBER 2018 - DECEMBER 2019, EDINBURGH

Storm Ideas / C# / Senior Full-Stack Developer

APRIL 2017 - NOVEMBER 2018, EDINBURGH

Freelance / C# / Full-Stack Developer

JANUARY 2017 - APRIL 2017, EDINBURGH

4J Studios / C++ / Games Developer

APRIL 2014 - JANUARY 2017, EAST-LOTHIAN

Intelligent Mobile / C# / Full-Stack Developer

OCTOBER 2011 - JANUARY 2014, EDINBURGH

Project Highlights

Some highlights from the last 5+ years of my career as a developer

Spindogs / .NET Core, Umbraco, API integration / Contract

JULY 2023 - MAR 2024, EDINBURGH

Took over back-end development of a medium-size Umbraco project that required extensive integration with a third-party API. Background jobs were used to sync content with the API several times a day. I worked closely with the Spindogs team on front-end integration and liaised with the client, their IT team and their suppliers.

Dragonfly / .NET Core, React, Umbraco, Azure Functions / Contract

OCTOBER 2022 - JUNE 2023

Joined a small team of developers at Dragonfly (a movie analytics start-up) to lead development of their Umbraco based product. At Dragonfly we integrated various third-party services (IDV, content security, etc) and extended the back-office to allow editors to manage enrollment of members and track projects through a custom stats dashboard. We also developed extensive integration tests using Playwright.

Dog Digital / .NET Core, React, Umbraco, Azure / Contract

JUNE 2022 - SEPTEMBER 2022

Worked on a number of projects with the Dog team, ranging from small React web apps backed by Sitecore to larger eCommerce projects using Umbraco 9 and uCommerce.

QMU / .NET Core, Umbraco, React, Azure / Freelance

OCTOBER 2021 - MAY 2022

Took over development of a successful research tool with a legacy codebase (legacy .NET and Knockout JS). My role was to stabilise the project, tackling some long standing issues (in the short-term) and ultimately rebuild the application using more modern tools. The rebuild was very successful: we delivered a much better experience for editors and participants at a fraction of the original development costs.

Coriolis / .NET Core, Azure Functions, Entity Framework / Contract

FEBRUARY 2021 - OCTOBER 2021

Led development of a number of new platforms with a view to enable financing of SMEs by international banks. The core of the platform is a .NET Core application that serves both a React web-app and banking customers via API (all protected by OAuth 2 flows, backed by Azure Active Directory and AD B2C). The platforms make extensive use of Azure Functions and Cosmos DB to collate data from 20+ sources and reliably serve accurate data to the business logic.

QMU / Angular, .NET Core, Cosmos DB and Umbraco / **Freelance**

DECEMBER 2019 - OCTOBER 2020

Developed a progressive web app for Queen Margaret University's Research Unit on Health in Fragility (RUHF) to facilitate photovoice-style studies in a way that allows researchers to easily set-up anonymous studies across the world, disseminate them and collect a variety of question, photo and audio data from participants over time. The app is currently being used to facilitate studies in Lebanon, Sierra Leone, Liberia and the UK.

WKW / Xamarin, .NET Core and Cosmos DB / **Intelligent Mobile**

NOVEMBER 2018 - DECEMBER 2019

Led development of a new social sporting app for a London-based start-up. The platform combines sporting data from multiple providers, offers real-time chat between users and customisable notifications for matches. The platform itself is a cloud native Azure application utilising Azure Functions and Cosmos DB, with content and administration provided by a Umbraco instance.

Longleat / Xamarin, .NET Core and Umbraco / **Intelligent Mobile**

APRIL 2019 - JUNE 2019

Developed an award-nominated app for Longleat safari park. The app had full offline support, downloading content, images and audio to the device to provide an interactive experience that doesn't rely on an internet connection.

ShowMS / Angular, .NET, Azure Functions, Cosmos DB/ **Storm Ideas**

APRIL 2017 - NOVEMBER 2018

Worked on a large bespoke video/content web platform developed for Freeform. My focus was on making UI and data import and reporting.

Education

The University of Edinburgh / BEng Software Engineering (1st Class)

2006 - 2010, EDINBURGH

Courses: Software Engineering Objects and Components, Human-Computer Interaction, Embedded Systems, Computer Graphics, Introduction to Vision and Robotics, Advanced Vision, Computer Networking, Genetic Algorithms and Genetic Programming and Applied Machine Learning.

References

Available on request.