

Danny Garvanski

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Profile

I am a Computer Science graduate of the University of Derby class of 2020 with to date combined total of a little over 4 years of professional experience as a software developer. Within that time, having the opportunities to work with a diverse set of technologies, I've been able to demonstrate my ability to adapt to unfamiliar waters with determination and strong work ethics. I have been able to demonstrate productivity both in team-based and self-managed environments with both individual and paired-programming based work on projects.

My professional experience mostly covers working as a backend developer on AWS cloud-based web applications, data management, API integrations and development, automation testing and developing both web and windows-based games.

Outside the professional realm, I carry a strong passion for data analytics/science, machine learning and artificial intelligence research. I have worked on multiple personal projects that involve Convolutional Neural Networks for image recognition using the TensorFlow library, web-based activity automation using Python and a few arcade style games written in C#, C++ and GDScript on top of the Godot engine.

Aside of that I have spent time performing free-lance work through online platforms such as Fiverr and Upwork performing data analysis for businesses. Some of that would involve developing SQL and MySQL queries for data sorting and manipulation as well as data visualization through Microsoft's PowerBI and/or Python scripts using libraries such as Matplotlib and Seaborn.

Education

University of Derby

BSc Computer Games Programming

Derby, England, UK

2016 - 2020

Vocational Technical High School "N. Vaptsarov"

Computer Networks

Vratsa, Bulgaria

2010 - 2014

Work Experience

Software Developer

 **Digi-Steel Ltd**

Nov 2022 – Dec 2024

Nottingham, England, UK

Tech Stack: C# (.NET Framework/Core), AWS, Python, Angular, JavaScript/TypeScript.

- At Digi-Steel I was involved in the development and maintenance of a collection of (RESTful) APIs all under an event driven microservices architecture hosted on the AWS cloud services. My work assisted in the implementation of new features, bug fixing, investigation and testing of improvements and optimization of the overall system and databases.
- I also had strong involvement and assisted in the implementation of automation solutions for testing of all company API's and monitoring the solutions to provide a test framework for the company's transition to a CI/CD work model. This included adding a multitude of integration tests and front-end tests with the use of Selenium.

Software Developer

 **Inspired Entertainment Inc**

June 2021 – May 2022

Burton, England, UK

Tech Stack: C++, HTML, CSS, XML

- At Inspired Entertainment I had the opportunity to work on the development of multiple reel games based desktop applications with the use of C++. My tasks included implementation of graphical assets, implementation of game generation algorithms in line with outlined parameters by mathematicians and bug fixing.

Junior Backend Software Developer

 **Codeweavers Ltd**

June 2020 – June 2021

Stafford, England, UK

Tech Stack: C# (.NET Framework/Core), SQL Server, Apache Cassandra

- As a backend developer I was mainly involved in (RESTful) API integrations strictly adhering to the company outlined principles and system documentations. The process involved creating the necessary controllers, services, classes, interfaces and DTOs. Then followed by work around the PostgreSQL database to facilitate the necessary data migrations for the addition of new tables and stored procedures to host and manage the new API data.
- Other tasks include using Zendesk to assist with any client reported bugs in tech support, collaborating with POs, QAs and quite often directly with company clients to plan and organize the next new project in the backlog.

Social Media and Marketing Assistant

 **Easy Relocations Ltd**

May 2019 – April 2020

Derby, England, UK

- As a Social Media and Marketing assistant my responsibilities included managing the company's social media presence, designing and launching online advertisement campaigns and production of advertisement videos.

Software Developer (Intern)

 **Clubhub Ltd**

March 2019 – May 2019

Derby, England, UK

Tech Stack: C# (.NET Framework/Core), Firebase, React, TypeScript

- At Clubhub, as a small startup company, I had the opportunity to be a part of a small team of three developers working on creating a mobile application utilizing geo-fencing to send users relevant notifications based on their location and a client's facing website through which clients can set up their offer notification for the application users.
- My responsibilities were mainly working on the design, development and implementation of the mobile application utilizing Xamarin Forms with C# and setting up a NoSQL database using Google's Firebase

Computer Hardware Technician

 **Microtest OOD**


















Sep 2013 - Jan 2014

Vratsa, Bulgaria







- As a computer technician my duties involved diagnostics and repair of faulty computer systems on a hardware level as well as faulty HDD data recovery. In addition, strong customer service skills were essential as trust had to be built with customers to retain a relationship for future services.

Technical Skills

Programming Technologies:

- **Programming Languages**
 -  C# (Advanced proficiency)
 -  Python (Advanced proficiency).
 -  JavaScript/TypeScript (Intermediate proficiency)
 -  C++ (Intermediate proficiency)
 -  HTML/CSS (Intermediate proficiency)
- **IDEs**
 -  Visual Studio/Code (Advanced proficiency)
 -  JetBrains Rider/PyCharm (Intermediate proficiency)
 -  Jupyter Notebook (Beginner proficiency)
 -  Microsoft PowerBI (Beginner proficiency)
 -  Godot Engine (Advanced proficiency)
 -  Unity (Beginner proficiency)
 -  Unreal Engine (Beginner proficiency)
- **Frameworks & Tools Include:**
 -  .NET Framework/Core (ASP.NET Core)
 -  GIT
 -  AWS
 -  Angular
 -  React

Data Science:

-  SQL Server, PostgreSQL, MySQL
-  NoSQL (MongoDB, Amazon DynamoDb)
- **Libraries and frameworks Include:**
 -  Tensorflow
 -  Keras
 -  Pandas
 -  Selenium

Personal Interests

Interests include:

- Machine learning.
- Data Science and Analytics
- SaaS & API Development
- Game Development