

# Nathan Ryder

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Student of Computer Science and IT at NUI Galway with hands-on experience of MySQL database and Java, JavaScript and PHP languages among others. Strong ability to collaborate as a member of a multi-functional team with the determination to stay committed to resolve any challenges. Experience of Web Development (Back End), Server Administration, Software Development and Market Research with the ability to acquire new information quickly and understand/resolve any problem.

## Key Competencies

### Competencies

- Java
- PHP
- JavaScript
- HTML & CSS
- MySQL
- Unix/Linux environment
- Project Management
- Troubleshooting

### Knowledge

- Git Version Control System
- Continuous Integration
- System Administration
- Web Development
- Virtualisation
- Maven Management Software

### Professional Skills

- Innovative & Creative
- Logical & Methodical
- Hands-on Approach
- Proactive Problem Solver
- Team Player

## Educational Background & Training

**Bachelor of Computer Science and Information Technology, NUIG**

Sep 2017 – Present

Course Modules Include:

- Computer Systems;
- Fundamentals of Electronic Engineering;
- Algorithms;
- Next-Generation Technologies;
- Database Systems;
- Software Engineering and Project Management;
- Science Computing and Medical/Bio-informatics

**Leaving Certificate, Coláiste Pobail Acla**

2017

**Web Authoring, NMQ Level 6, Westport CFE**

2016

**Certificate, Introduction to Programming with Python, Alison**

2014

**Certificate, Introduction to Linux, edX/Linux Foundation**

2014

## Professional Experience & Accomplishments

**Assistant Software Administrator, SportLomo, Castlebar, Co. Mayo  
(Summer Work)**

**Mar 2016 – Aug 2017**

- Assisting in day to day activities of a busy IT environment;
- Web Development;
- Testing/trouble-shooting website design on various platforms and devices;
- Market Research;
- Creating/managing sports fixtures and league tables;
- Reporting website traffic analysis;

## Projects

**Morph - Minecraft Plugin;** <https://github.com/nathanryder/Morph>

- A Minecraft plugin created to allow users to transform into and take the abilities of animals and monster they kill.
- Created using Java, Minecraft Spigot API and one other external API.
- Over 10,000 downloads.

**RPGMagic - Minecraft Plugin;** <https://github.com/nathanryder/RPGMagic>

- A Minecraft plugin created for a client to allow users to have a progression based magic spell system.
- Allows for creating and customising magic spells with different effects and actions.
- Created using Java, Minecraft Spigot API and three other external APIs.

**4GUsageMonitor - Website;** <https://github.com/nathanryder/4GUsageMonitor>

- Created to allow my family to track their daily/monthly internet usage, add faults, and get email alerts when a certain usage limit is reached.
- A Node.js file is ran every day at midnight that retrieves data from my router using an API I found for Huawei routers.
- Created using HTML, CSS, Javascript, Node.js, and PHP.

## Hobbies & Community Interest

Formula 1 racing:	I enjoy watching such an innovative sport.
Archery:	The thrill and accuracy required
Gaming:	I enjoy the strategy and competitiveness involved
Reading:	I enjoy reading fantasy/fiction books