IGNAS ROCAS

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Portfolio: <https://ignasportfolio.pythonanywhere.com/>

# PROFESSIONAL SUMMARY

Highly analytical & well-organized software development student in the final year(4th) at Institute of Technology Carlow seeking an internship or graduate position in a challenging and healthy work environment where it is possible to improve their skills.

Possess experience in building secure applications in object-oriented languages while adopting agile principles efficiently under pressure to meet deadlines.

Enjoy team collaboration while following the given requirements.

# TECHNICAL sKILLS

* Object-Oriented Programming languages such as Java, C#, Python, Erlang, & C++.
* Constructed Web applications using HTML, CSS, JavaScript, and PHP.
* Familiar with software testing procedures and its models while using some of its tools (JUnit/xUnit)
* Basic usage of data mining algorithms while following CRISP-DM process.
* Familiar with Agile/DevOps software development methodologies.
* Basic knowledge of using version control software such as Git.
* Used relational and non-relational databases. (SQL, Mongo)
* Basic knowledge of mobile/smartwatch app development such as Android, and Xamarin Forms.
* Protocols/technologies such as Bluetooth (LE), HTTP, TCP/IP, RCP & RIP.
* Basic knowledge in creating/using cloud APIs, Docker & AWS.

# EDUCATION

## **Bachelor of Science Software Development**

Institute of Technology Carlow

(2019 – 2022) in 4th year currently attending.

Subjects:

Secure Application Development, Software Engineering, Entrepreneurship, Data Science, Distributed and Concurrent Device Development, Project (Software Development).

Project titles:

* Dynamic-Personal-Health-Insurance product: <https://ignasfourthyearproject.pythonanywhere.com/>

The project goals are:

* + Providing a customer with a way to pay less for their health insurance while being active.
  + Providing a client with an environment so they can manage the customer.

The project involves a cross-platform mobile app (C#), android smartwatch (C#), Bluetooth (LE), Mongo Db, Stripe, AWS, SQL-lite, Stateless-API(Python), Docker & machine learning.

* Compute primes: <https://github.com/Ignasrocas1990/ErlangRPCProject.git>

Erlang project that creates a set of distributed communicating processes(Nodes/threads) that communicate using the Routing Information Protocol & Remote Procedure Call to compute primes.

* Security Project: <https://github.com/Ignasrocas1990/SecurityProject.git>

A very simple but extremely secure web application that is created with PHP, HTML & CSS allows users to register, login, change passwords & view the previous log attempts. The main goal of the project is to focus on eliminating security risks such as XXS, CSFR, SQL injection, DOS attacks and many others.

3rd Year Final Grade Average: 82%

Subjects:

Advanced Programing**,** Discrete Structures and Algorithms II**,** Operating Systems**,** Software Engineering for Web, Cloud, and Mobile**,** Web and Cloud Development.

Project titles:

* Grocery Shopping App: <https://gsapp.pythonanywhere.com>

A Native Android application developed in Java while using MongoDB as the backend.

It tracks consumable products & notifies users automatically, as it tries to reduce user waste.

* Portfolio Website: <https://ignasportfolio.pythonanywhere.com/>

Simple portfolio website developed with Python, HTML, CSS, JS, Bootstrap library and others.

It displays projects and lets the user advise while adding a face to a name.

* Pixel Art: <https://github.com/Ignasrocas1990/lab6PixelArt.git>

A desktop application developed in C++ while using the SFML library. It is similar to MS paint but contains limited functionality.

2rd Year Final Grade Average: 81.5%

Subjects:

Discrete Structures & Algorithms I, Web Programming & Databases, Computer Architecture, Object-Oriented Software Dev, Systems, Analysis, Design & Test, Project (Software Development)

Project titles:

* Customer Invoice Management System: <https://gitlab.com/oosd-it-carlow-cims-group2019/customer_invoice_m.s.>

Group project developed in Java with the use of Swing library. The User can manage customers, products, and orders while creating invoices with a simple but clear UI.

* Web Employee application:

Personal project developed with HTML, PHP, CSS, SQL and JS minimum.

The user/admin can log in/Manage employee details.

* Pub Stock Control system:

Group project developed with HTML, PHP & CSS. My aspect of the system was product management which involved CRUD product operations with SQL database.

## Leaving Certificate Examination 2009 Completed.

# WORK HISTORY

KFC, Carlow Date : 2010-2021

Role: Cook

* Responsible to function under pressure, individually and as part of a team.
* Train similar role employees to organize and prioritize tasks while under pressure to follow procedures and keep high hygiene standards.

# INTERESTS & ACHIEVEMENTS

* Member of the Football local team.
* Have been a member of the local Running Club.
* Enjoy solving coding puzzles, such as those provided at HackerRank.com and app.codility.com.
* Enjoy listening to music.
* Possess a full, clean type B driving license.

References are available upon request.