**James Summersby**

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**PERSONAL PROFILE**

I am a software developer/IT support technician with 1.5 years web development experience in the food processing industry. I have vast knowledge in the materials technology and aerospace sector with a lot of laboratory experience. I am self-taught in several programming and database languages including PHP, Python, Javascript, SQL, HTML and have developed quality control software using Python frameworks like Django and Javascript frameworks such as React. I am looking to advance my career in the tech sector by expanding my knowledge and understanding of programming through the FIT apprenticeship programme and hope to gain hands on experience with an established company.

**KEY SKILLS**

* **Applications:** Prophet ERP System (Admin), Crystal Reports, Microsoft SQL Server, PHPMyAdmin (MySQL Database), Solidworks, FreeCAD, 3D Printing Programs (CraftWare), Windows Server 2008-2019 (Admin), Microsoft Power BI, Microsoft Office Suite (Outlook, Word, Excel etc.)
* **Programming Languages:** PHP, Python, Javascript, HTML, CSS
* **Operating Systems:** Windows 7, Windows 10, Linux, Raspbian (Debian Buster)
* **Database Systems:** MySQL, Microsoft SQL Server, Firebird SQL Server
* **Database Reporting:** Crystal Reports, Power BI, FPDF
* **Content Management Systems:** SharePoint, Teams
* **Security:** Avast Business Cloudware
* **Laboratory Machines:** Spectrometer, Profilometer, Mecmesing Multi-Tester (Hardness, Tensile, Peel, Pull), Plasma Treatment Tools, Scanning Electron Microscopes
* **Driving Licence and own transport**
* **Languages:** Fluent English, Basic Irish, Basic French

**EDUCATION AND TRAINING**

**2013 – 2017 Trinity College Dublin, College Green, Dublin 2**

**General Science, BA in Physics**

**Level 8 (Incomplete)**

*Modules: Physics, Chemistry, Maths, Astrophysics, Geology*

**2008 – 2013 O’Carolan College, Nobber, Meath**

 **Leaving Certificate**

*Subjects: English (H) - A2, Mathematics (H) - A1, Physics (H) - A2, Chemistry (H) - B1, Engineering (H) - B2, Applied Mathematics (H) - B2, French (O) - B1, Irish (O) - B1*

**WORK EXPERIENCE**

***Jan 2018 – Present* Meade Potato Company, Lobinstown, Meath**

*Fresh produce buyers/sellers/processing.*

(Jan 2019 - Present)  **Software Developer/IT Technician**

* Development of web app for quality control team to enable them to perform quality checks on produce on mobile devices as opposed to on pen and paper.
* Design and create database to store report information and enable statistical analysis of data.
* Enable web app to generate consolidated reports that can be emailed to suppliers/buyers.
* Maintaining web app compliance with Bord Bia/customer produce specifications.
* Link web app to company’s ERP system to pull information for reports.
* Administration of Prophet ERP system.
* Database management of ERP system (Microsoft SQL Server)
* Troubleshooting user computer problems, network errors
* Office suite administration
* Printer management
* Produce label management

(Jan 2018 – Jan 2019) **General Operative**

* Operating pallet trucks.
* Packing produce into crates/boxes.
* Stacking produce on pallets
* Keeping production floor and warehouse clear and clean.

***May 2016 – September 2016 and May 2017 – September 2017***

**ENBIO, DCU Alpha Innovation Campus, Glasnevin, Dublin 11**

*Materials sciences research and development.*

 **R&D Intern**

* Research on behalf of the European Space Agency into characterizing radiation resistant coatings for use on space craft such as Solar Orbiter.
* Sample preparation, blasting materials with silicon-based composites to alter material’s surface properties.
* Material surface characterization.
* Laboratory testing.
* Report writing.

***September 2013 – May 2019* Maths Tutor**

*One-to-one study sessions in Mathematics with Leaving/Junior Certificate students*

* Explaining concepts and methods to students.
* Assessing student learning progress and preparation for exams.

**ADDITIONAL INFORMATION**

* Full Clean Driving License and own transport
* PADI Qualified Advanced Open Water Diver
* Academics awards in Physics, Maths, Engineering, English and Applied Maths
* Placed 2nd Nationally in NUIG PRISM Maths Competition
* Three Academic Student of the Year nominations

**VOLUNTARY WORK**

* **Red Cross:** I have been volunteering with the Irish Red Cross for two years. During this time, I have gained my First Aid Responder qualification and used my knowledge volunteering at various events such as concerts, motor races, bike races and community events. It also involves training every week and skill assessment. During the COVID pandemic we have been involved in transporting non-COVID patients, providing logistical support to the HSE and NAS and organizing PPE kits.
* **Leinster River Rescue:** I have been volunteering with the Leinster River Rescue for 1 year. It has involved helping local authorities in missing persons cases by conducting river searches including diving in deep river spots.

**INTERESTS**

* Diving: I am a qualified advanced open water diver and have done dives in Ireland as well as Malta. I also use this skill with the Leinster River Rescue in helping with missing persons cases.
* Tech Blogs: I read a lot of Medium/Reddit blogs about projects and technologies that people are using and what they can do. These helped me discover the React Javascript library and Django Python library which I used in my work to simplify certain parts and improve maintainability and performance.
* Games: I am part of a Dungeons & Dragons group and we meet-up/hop on Discord for a few hours every week and play through a campaign. I also play a lot of PC games, I have built my own PC and made some open-source mods in Valve’s Source Engine for games like DOTA 2 and CS:GO.
* Music: I play acoustic and electric guitar.
* Reading: I read a lot of sci-fi books and comics.

**REFERENCES AVAILABLE ON REQUEST**