

JEROME DEVASSY

CONTACT DETAILS

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I am a new graduate finished with my BSc (Hons) degree in Software Design at Technological University of the Shannon, Athlone. I am looking for job opportunities with the software developer space throughout Ireland.

Throughout my academic journey I have honed my skills in software engineering, mastering various Object-Oriented Programming languages such as Java, Python, and C++. My experience encompasses a solid understanding of object-oriented design, coding patterns, and testing practices, which have been instrumental in developing robust and scalable software solutions.

I have hands-on experience with AWS, including EC2, VPC, IAM, and S3, along with my proficiency Java, during my internship at Yahoo EMEA. Through this internship, I became familiar with the agile process, developed my skills in managing CI/CD pipelines with Jenkins and Screwdriver and gained practical experience in cloud infrastructure and application deployment.

I have gained experience in designing and architecting systems in my final year project in college. This project involved developing an application, which required me to employ design patterns to ensure its reliability and scalability. The project was hosted and ran on an AWS instance, providing me with firsthand experience in leveraging AWS services to deploy and manage applications. This project involved using Python, AngularJS and Nginx. I have gone into detail about this project in my CV.

A short CV is attached which summarizes my educational achievement and experience to date. The course that I pursued at TUS is a highly practical industry focused course. Some of my key skills are listed below:

- Software Development (Java, C++, C#, Python)
- Agile Methodologies (Git)
- Databases (SQL, MySQL, PostgreSQL, MongoDB)
- Security (Encryption-Decryption, AES, RSA, SHA-256)
- Java Development (Maven, Spring Boot, Jax-RS, JPA)
- VR and Game Engine Applications (Unity, Blender, OpenGL)
- Web Development (HTML, JavaScript, CSS, Angular)

I would welcome the opportunity to meet with you for an interview or discuss an employment opportunity over the phone or via email. I have included my contact details at the start of the letter. Should you have any queries please do not hesitate to contact me.

Yours sincerely,
Jerome Devassy

PERSONAL DETAILS

Name: Jerome Devassy
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EDUCATION

JUNE 2024

SOFTWARE DESIGN WITH VR AND GAMING YEAR 4, TUS ATHLONE

- The Technological University of the Shannon: Midlands Midwest is a public university in Ireland. It is a technological university, the third such one to be established in Ireland, and opened in October 2021. I underwent a Bachelor of Science in Software Design with VR and Gaming and passed with second class honours grade 1.

Semester 1		Semester 2	
Module	Final Grade	Module	Final Grade
Networks:	61%	Distributed Systems:	80%
Management and Org Behaviour:	48%	Real-time Rendering:	42%
Databases:	52%	Security:	70%
VR and Gaming Technology:	57%	Engineer in Society:	53%
Data Visualization:	79%	Final Year Project:	50%

JUNE 2023

SOFTWARE DESIGN WITH VR AND GAMING YEAR 3, TUS ATHLONE

Semester 1		Semester 2	
Module	Final Grade	Module	Final Grade
Ops Systems & Concurrency:	83%	Industry Placement	
Game Hardware:	71%		
VR Application Development:	67%		
Software Development:	76%		
Software Engineering 3:	42%		
Software Dev for Gaming:	70%		

JUNE 2022

SOFTWARE DESIGN WITH VR AND GAMING YEAR 2, TUS ATHLONE

Semester 1		Semester 2	
Module	Final Grade	Module	Final Grade
Databases:	78%	Software Development:	77%
Networks:	81%	Agile Methodologies:	58%
Game Development:	66%	Game AI and Physics:	51%
Software Development:	40%	Math for Software Design:	61%
Math for Software Design:	40%	Software Dev for Gaming:	66%
Software Dev for Gaming:	85%		

JUNE 2021

SOFTWARE DESIGN WITH VR AND GAMING YEAR 1, TUS ATHLONE

Module	Final Grade
Software Development:	79%
Agile Methodologies:	93%
Game Development:	51%
Math for Software Design:	90%
Digital Media:	81%
Web Development:	79%
Communications:	78%
Computer Applications:	79%

APRIL 2020

CENTRAL BOARD OF SECONDARY EDUCATION, INDIAN SCHOOL MUSCAT, OMAN

- I underwent my secondary school education in Muscat, Oman with a Central Board of Secondary Education (CBSE) affiliated school. The CBSE is a national level board of education in India for public and private schools, controlled and managed by the Government of India.

Subject	Final Grade
English:	86%
Mathematics:	70%
Physics:	67%
Chemistry:	78%
Computer Science:	80%

PROJECTS

- I was involved in making several working prototype models of a plant watering device and a robotic arm for a science fair held in my secondary school. I was tasked with coding the software for the arm and the plant watering device. While my project partner in the project built the circuit and 3-D printed the parts for the prototype. The IDE used was the Arduino IDE and the language was a variation of C++. This project was a success and our team won in the category we had participated in.
- I made a text-based RPG game using the C++ language to be run on the Turbo C++ compiler. It was for a school project that involved using classes and file writing. The game would take your high score and print it out onto a text file. Turbo is a very old compiler that was unintuitive at times. As a beginner coder back then I spent many nights trying to solve the various issues that would come up. I keep a copy of the code with me.
- For my final year project in college, I used Python to create an application that web scrapes supermarket sites for product data. Then data is then delivered to the frontend which is a website made using AngularJS. The intended goal was to have a platform where prices and products from different supermarkets can be compared so the shoppers can make an informed choice. The backend and frontend ran on an Amazon Web Service instance with the database hosted on their Relational Database Service. The database management system I had used was PostgreSQL.

SKILLS

- Skilled in Java, C++, Python, AngularJS, HTML, and SQL.
- Used Python and Java for my final year project.
- Experience with AngularJS and Nginx for web design and deployment.
- Have gained experience with CI/CD tools like Jenkins and Screwdriver. Have managed testing and development of applications using these tools.
- Have experience with Spring Boot in Java and Amazon Web Services during my internship. I have also used AWS for my final year project.
- Good at analytical thinking and problem solving. Have participated in solving coding challenges in secondary school.
- Very skilled at improvising creative solutions to issues that appear at last minute.

EXPERIENCE

FROM JAN 2023 – SEPT 2023

INTERNSHIP, YAHOO EMEA

- I was first put into a team along with other interns to work on a hackathon to create a tool for the office for three weeks. I then worked in the Ads and Targeting department, with the team that managed the Profile Targeting System (PTS). The team used Java with Spring Boot and Amazon Web Services (AWS) to develop and improve the applications they managed. They used Jenkins and screwdriver for CI/CD pipelines.
- Helped reduce the number of records of users that were stored by PTS in a region thereby bringing down data storage costs. Worked on updating all the PTS applications to Java 17 to access new features like sealed classes and for the AArch64 port.

FROM 2020 – 2022

VOLUNTEER WORK, ST. BRENDAN BIRR PARISH

- Undertook responsibility of developing and deploying an app for the parish. Currently working on a new update for the same. The app has taught me the importance of testing as during testing a lot of issues would be made known which are not obvious to the developer.
- Also, I was involved in the installation of a new electronic payment machine in the parish. Helped maintain parish website and assist with any issues. This gave me valuable into the field of problem solving and solutions in software. It is an area that requires know-how of the software and immense patience.

HOBBIES

- Interested in reading. I have been reading since childhood. Currently reading a book about the Ottoman Empire. Reading puts us into the worldview of another person, it does not matter if it's fiction or non-fiction. This enables us to see eye to eye with our team members and prevent conflicts.
- Interested in history and geopolitics. These two topics combined with current affairs can provide great insight into the state of the world. It also helps to better understand people and their backgrounds better and see practical solutions to complex issues.

- Cycling and swimming. I recently got into swimming last summer and found it very engaging and enjoyable. I have since been trying to improve my swimming technique. I find physical activities like cycling and swimming to be calming and provide space for self-introspection.

LINKS

- LinkedIn: <https://www.linkedin.com/in/jeromedevassy/>
- Github: <https://github.com/Jerome631>
- Online Portfolio: www.jeromedevassy.com

REFERENCES

- References provided on request.