

## CAREER OBJECTIVE

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Self-motivated and disciplined with over seventeen years of experience in the hardware and software industries, former business owner and entrepreneur seeks opportunity to create innovative application development strategies that increase brand awareness, drive traffic, and monetize digital real estate.

## PROFESSIONAL EXPERIENCE

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### Principal Engineer – PiP iT Global

Sept 2018 – Feb 2020

- Lead a team of five to analyse and optimise ongoing improvements to support business needs.
- Designed and implemented a point of sale location tool for clients that leveraged Google Map API
- Full Stack Development
- Managed AWS deployments, load balancing, domain management, hostname routing, fail over recovery, monitoring, CloudWatch
- Developed a white label toolkit to rapidly deploy demos for major players in the banking sector that has secured a 60% closure, i.e. contracts signed.
- Requirements, design and implementation API
- Implemented better work practices through enforcement of good security practices and assisted non-technical staff with issues as they arose.
- Constantly improving our customer communication channels and the ease of onboarding for partners with API resources such as RAML and Postman collections.
- Integration of new partners on our platform
- Designed and built a payment aggregator portal in four days

**Technical Skills:** Network Configuration, NodeJS, Express, Angular7,8 & 9, Typescript, Spring Boot, PHP, AWS, Apache, Nginx, Azure, Linux, WSL

**Soft Skills:** Analytical Thinking, Project Management, Vendor Management, Collaboration, Benchmark development, Solution design, Multitasking, Prioritizing, Delegation, Influencing

### Software Engineer – Research Assistant for EU ResponSEable Project - NUIG

Feb 2018 – Aug 2018

- Full Stack Development including deployment on server.
- Java OrientDB Graph API and to improve performance of front-end built on Rappid's JointJS visualization suite
- Deployed Apache Shiro™ a Java security framework that performs authentication, authorization, cryptography, and session management.
- Redesigned existing code base to fully implement MVC design pattern.
- Redesigned the model to properly capture and represent data.
- Removed “flat” html architecture and implemented dynamically built content controllers.
- Quiz/Survey builder for research teams to support their research areas.

**Technical Skills:** Java, JS, MySQL, OrientDB Graph, Rappid JointJS Suite, IIS, Apache

**Soft Skills:** brainstorming, time management, cross-cultural communication, relationship building, problem-solving

### QuickPay365 – Freelance

Jan 2018 – Sept 2019

- Developed a flexible, secure, and mobile payment system that has the potential to give everyone their own online payment portal. <https://chris.quickpay365.com>
- Designed and built custom web site solutions for clients in retail, business and services industry.

**Technical Skills:** Java, JS, MySQL, PHP, Apache, Server Management

**Soft Skills:** negotiating, friendliness, clear speech and writing, active listening, body language

# Christopher Loughnane

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## Business owner, lead developer, sales – Promarketing365

May 2016 – Feb 2018

- Successfully implemented a customer relations management system which included customer organisational tracking and a ticketing component
- Built a browser-based image editing platform
- Designed and built custom web site solutions for clients in retail, business and services industry.
- Built a registration system for sports clubs to manage membership fees, training schedules and events.
- Built a deployment tool that allowed content writers to post directly to a customer deployment from the CRM.
- Article creation tool with direct posting to customer sites returned 86% improvement in time saving.
- Instrumental in developing business strategy, sales and directly generated revenue by developing solutions for customers of various sizes.

**Technical Skills:** JS, Java, Joomla, Tiger CRM, MySQL, PHP, UX design

**Soft Skills:** Detail oriented, perceptiveness, customer service, persuasion, research, lead acquisition, failure analysis

## Web Technologist – NUIG

November 2013 – May 2018

- Redesigned and built College of Engineering's website using the TerminalFour content management platform
- Worked with stake holders to build research centre websites to aid them in securing funding
- Sites built: Biomechanics Research Centre, Biomedical Engineering, Civil Engineering, College of Engineering and Informatics, College of Science, Electrical & Electronic Engineering, Energy Systems Engineering, Huston School of Film & Digital Media, Information Technology, Mechanical Engineering, Sustainability Initiative, The Ryan Institute, Women in Engineering and NUI Galway Research & Innovation Centre

**Technical Skills:** JS, MySQL, PHP, UX design, Apache

**Soft Skills:** Teamwork, communication, brainstorming, goal driven results

## Manager and Tutor – ComputerDISC

May 2014 – September 2016

- ComputerDISC is a drop-in support centre for programming students in NUIG. I assisted students in building their own solutions and encouraged possible avenues of research for successful completion of their goals.
- Developed from ground up a new check in system for students to track the most common problem areas.

**Technical Skills:** Linux, OOP, Java, C#, C, d3js, jQuery, Python, MySQL, MongoDB, JS, NodeJS, Task runners, Build tools, 3D Modelling and Animation, AI, SOAP, RESTful Services, LESS, SCSS, Fortran, Perl and many more

**Soft Skills:** Adaptive teaching methods, facilitate learning, enthusiasm, mentorship, flexibility, compassion and patience, critical thinking

## EDUCATION

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**BSc in Computer Science and Information Technology 2014** - First Class Honours Degree

**PhD Candidate** Information Retrieval 2014 – 2016

University Scholar for three years and winner of ComputerDISC Teaching Scholarship and Hardiman Research Scholarship September 2014.

[grades.chrisloughnane.com](http://grades.chrisloughnane.com)

[transcript.chrisloughnane.com](http://transcript.chrisloughnane.com)

[degreethesis.chrisloughnane.com](http://degreethesis.chrisloughnane.com)

## Hobbies & Interests

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Lived in Finland for ten years.

I build LEGO sets though finding room to display is always a challenge

I create 3D models and animation with Blender, some of my best involved LEGO.

I play computer games on various platforms with focus on challenges to complete with my clan.

I enjoyed Ju Jitsu for 11 years, lapsed but continue to workout for health and fitness.