linkedin.com/in/jpshoulihan
jpshoulihan.github.io/Portfolio

JOHN HOULIHAN

+353 852147485
jpshoulihan@gmail.com

EMPLOYMENT

Software Engineer, Full-stack	Net Feasa IoT Solutions	Feb 2022 - Present

- Designed and developed global-scale geofencing system for shipping vessels, integrating algorithms to control cellular base stations and LoRaWAN gateways, improving network coverage and efficiency.
- Developed efficient decoder service that works independent of device model and enables IoT devices to send data over cellular, improving network reliability and battery life.
- Transformed the user experience by overhauling web application, providing real-time access to sensor data to enhance users' on-site logistics.
- Empowered end user decision making by implementing feature-rich data grid for 400 sensors.
- Led the design and development of responsive web application, ensuring seamless user experience across devices.
- Created data export feature for historical data downloads, enhancing data analysis capabilities for end-user.
- Mentored and on-boarded new team member, contributing to team growth and development.
- Created and maintained technical documentation.

Assistant Bid Writer	Third Sector International	Jan 2020 - Mar 2020

- Co-Authored tender and secured funding for 3 year project involving 250 technical college students.
- Successfully unified the requirements of both clients and partners.

Teacher	Menendez Pelayo University	Jun 2016 - Dec 2019

- Achieved average weekly student rating of 4.8/5.
- Displayed leadership by volunteering to on-board several new staff members.

EDUCATION

Kildare, Ireland	Maynooth University	Sep 2020 - May 2021

- Post-Graduate Degree, Software Development. First Class Honours.
- Bachelor of Arts. English Literature and Philosophy. Second Class Honours, Grade 1.   **Sep 2008 - May 2012**

TECHNICAL EXPERIENCE

Projects

- **Physiotherapy Clinic Management System**. Client Relationship Manager with full CRUD functionality. MongoDB, Express, React.js, Node.js, Bootstrap - **github.com/jpshoulihan/client-relationship-api**
- **Delivery Route Planner**. Optimized Delivery routes by using GPS coordinates, the Haversine formula and the Nearest Neighbour Algorithm. User inputs delivery list as csv, optimized route is outputted. Java, Bluejay, Swing - **github.com/jpshoulihan/delivery-route-planner**
- **Social Media Comment Bot**. Automated comment reply bot that translates words and provides sample phrases. Python, NLP, Web-scraping - **github.com/jpshoulihan/reddit-focal-bat**

ADDITIONAL EXPERIENCE AND AWARDS

- **Teacher:** Over 6 years experience working with a wide variety of people including diplomats, lawyers, bankers and kids.
- **Erasmus+ OLS Certificate** (Spanish - Fluent)

Skills

- **Languages**: JavaScript, TypeScript, Python, Java, HTML/CSS, SQL, Bash.
- **Frameworks and Libraries**: Node.js, Express.js, React.js, jQuery, Pandas, GeoPandas, MUI, Bootstrap, JUnit, unittest, Jest.
- **Tools**: Git, Docker, AWS, Jira.
- **Methodologies**: Agile, Scrum.