S/W Shane Whelan

Bioinformatician / Software Engineer

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https://github.com/wheeldogg

http://www.thewheeldogg.com/

ABOUT ME

Full Stack Software Engineer, passionate about building performant and well tested APIS and visually appeasing User Interfaces

Approximately 8 years' experience working in Software Development, across Data Science, Business Intelligence and Bioinformatics. My emphasis is on building applications on good database design principles and testing practices and user interfaces which highlight the power of data for users of the application

SKILLS

10/10
Python & Backend

8/10
Javascript and Frontend

9/10
Data Analytics and Business Intelligence

7/10
Cloud and Containerization

6/10
Skill Name

EDUCATION

Higher Diploma Data Science and Analytics (75%+)

Cork Institute of Technology (CIT)

Apr2013-Apr2014

Master of Science in Immunology and Global Health (68%+)

National University of Ireland Maynooth (NUIM)

Sept2011-June2012

Bachelor of Science in Genetics (62%+)

University College Cork (UCC)

Sept2006-June2010

EXPERIENCE

Bioinformatician

Nuritas/Dublin, Ireland/Oct18-Current

Building key features of our software application used by internal biologists. Computation of statistical inference of internal data. Ensuring accurate data and building the system so that is scalable and containerized for easy deployment.

- Building Django Rest Framework APIS and backend testing in python
- User Interface; from design to working concepts in React.js
- Introduced Sprints to the team and user acceptance testing (UAT)
- Responsible to help select and order peptides from external CRO's

Business Analyst

Pacific Radiology/Wellington, New Zealand/Mar17-Apr18

The role was the first data analytics role in the company to harness the power of a newly created centralized data warehouse. The warehouse was populated with 30+ years of raw radiology data my role involved finding true value to improve efficiency of radiological services in the company.

- Tableau business intelligence visualizations
- Python and R Tableau SDK scripting with Tableau backend
- Presentation and communication of key insights with management
- Worked on cost pricing model, statistical analysis and validation

Data Scientist

Xanadu Consultancy/Cork, Ireland/Jul14-Mar17

Worked initially as Data scientist responsible for running LTV and churn models for customer retention and building fraud detection reports. Moved then to a product data scientist and software engineering role working on building Data science elements of the platform.

- Statistical analysis in R and Python
- Business intelligence automation and reporting using Qlikview
- Price graphs and volumes for emphasising liquidity for marketing
- Twitter Sentiment Analysis implementation