

EOGHAN CONLON O'NEILL

Software Engineer

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📍 Clonakilty, Ireland
🐙 github.com/idlephysicist

TECHNICAL KEYWORDS

Languages Go, Python, SQL, Bash, Fortran

Technologies Git, Docker, Helm Charts, AWS, Terraform, Prometheus & Grafana, Kubernetes, Linux/UNIX, Arduino

Skills VoIP Troubleshooting, Data ETL, Digital Signal Processing, Spectroscopy

EDUCATION

BSc. (Hons) Physics with Astronomy, *Dublin City University*

Class of 2018 📅 📍 Dublin

Final Year Project Construction of a Phased Antenna Array

Select Modules Computational Physics, Digital Signal Processing, Electrodynamics, Applied Spectroscopy, Digital Electronics, Statistical Physics.

EXPERIENCE

Software Engineer, *PGi*

2020 - Present 📅 📍 Cork

- Modernised existing Helm Charts to take advantage of new Kubernetes APIs and best practices.
- Developed a proof of concept for a cloud based Session Border Controller, to migrate away from dedicated hardware.
- Collaborated with globally distributed development and operations teams.
- Worked on-call rotation to manage the company's WebRTC edge platform.
- Contributed to the company's open source project.

Software Engineering Intern, *FluentStream Technologies LLC*

Nov. 2018 – Nov. 2019 📅 📍 Denver

- Developed software in Python & Go to automate the company's invoicing and tax collection system from scratch.
- Wrote Python tools to migrate tens of thousands of voicemails to new infrastructure.
- Compiled custom SQL reports for clients who needed enhanced analytics.
- Resolved hundreds of technical escalations from the Operations & Development departments.
- Participated in on-boarding of new Voice Operations Engineers as an instructor and tutor.

Part-time Python Instructor, *Belvedere College*

Nov. 2016 – April 2017 📅 📍 Dublin

- Introduced fundamental programming concepts and exercises using Python in a fun and informal after-school programme.
- Enhanced my communication and explanation skills.

Teaching Assistant, *Centre for Talented Youth, Dublin City University*

July 2016 📅 📍 Dublin

- Assisted the instructor during morning and afternoon classes, by managing the classroom (taking attendance, etc.).
- Supervised the class in the evening whilst helping with homework, and re-explaining topics from the day's classes.
- Gained experience in public speaking and managing a group of people.

ACCOLADES

- Recognised by managers and peers as hard working, determined, and motivated team player.
- Natural leader organising study groups and projects between my colleagues.
- Noted for being able to approach a new task or problem, get to the bottom of it, and find a resolution.

CERTIFICATIONS

- AWS Certified Cloud Practitioner, June 2020

ABOUT ME

- In university I took up caving as a past time for a taste of exploration & adventure. Over the years I held both the positions of Public Relations Officer, and later Chairman on the club committee.
- Since my youth I have been a keen sailor and have been on the water for over a decade now. I have held the title of Junior Inland Multi-hull champion twice.
- More recently I have become more and more interested in homebrew electronics, such as amateur radio, breadboard computers, embedded programming.
- I have always had a passion for history, especially that of science, technology, and my local area.
- On top of this I am also a qualified SCUBA diver.