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## WORK EXPERIENCE

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### Layer

Nov 2021 – Present

*Software Engineer (Backend)*

*Cork, Ireland (remote)*

- Developed REST APIs as part of a microservices architecture using Golang and PostgreSQL.
- Designed test suites for existing product features, managed CI/CD pipelines and deployment architecture.
- Utilised key DevOps technologies such as Docker and Kubernetes to manage the development lifecycle.

### Servuss

July 2020 – March 2021

*Software Engineer, Product Manager, Board Member*

*Cork, Ireland (remote)*

- Created Servuss Merchant - an online food ordering platform - using Bubble, a no-code solution.
- Developed web scrapers using Python to automate migration of restaurant data from Grubhub to Servuss.
  - Key sales-KPI's grew over 500% by providing a bespoke demo product to every prospective client.
- Developed an outbound-marketing tool using Python and Selenium that automates lead generation by crawling Yelp and distributing targeted marketing messages
- Produced strategic development and launch plans for Servuss. Successfully ran a demo launch with a Connecticut restaurant in November of 2020, processing over \$5,000 in transactions over three days.
- Directed all aspects of sprint planning including delegation of work and timelines using Azure Boards.

### Setlist

May 2020 – September 2020

*Software Engineer*

*Cork, Ireland (remote)*

- Setlist is a start-up with a mission to transform group music listening through artificial intelligence.
- Designed algorithms for intelligent group music-listening using NodeJS, JavaScript, and the Spotify API.
- Developed and integrated QR code technology for sessions on Setlist web app using React, Firebase & NodeJS.

### Apple

July 2018 – June 2019

*Support Engineer, Technical Advisor*

*Cork, Ireland (remote)*

- Provided technical support for Apple's full mobile-product suite to Apple customers around the globe.
- Conducted customer support calls, troubleshooting technical issues and resolving customer disputes.
- Consistently ranked as a top technical advisor, achieving full marks in performance metrics including a 100% customer satisfaction rating over a 3-month period.

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## EDUCATION

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### University College Cork

May 2021

*B.Sc. Computer Science*

*Cork, Ireland*

- First Class Honors (1.1) including 92% in *Software Engineering*, 92% in *Intermediate Java*, 90% in *Artificial Intelligence I Project*, 89% in *Programming*, 82% in *Team Software Project*, 81% in *Special Topics in Computing*.
- Wrote thesis on the Vehicle Routing Problem with Time Windows (VRP-TW) – received an 85% grade.
- Member of UCC's IGNITE startup incubator program with co-founded startup PurpleMind.

### Stanford

April 2020

*Machine Learning*

*Remote*

- Completed Stanford University's Machine Learning online course, led by the renowned Andrew Ng.
- Learned about of different learning models, neural networks, natural language processing, data engineering.
- Explored practical machine learning case studies and problems including computer vision, medical informatics, text understanding (web search, anti-spam).

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## SKILLS & INTERESTS

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- **Skills:** Python; Go; DevOps; Azure; Agile Development; Git; Keras; Scikit-learn; Pandas; Java; JavaScript; NodeJS; React; Swift; iOS Development; APIs, Bubble.io; SaaS; Start-ups; web scraping; Ruby; C; C#; SQL; Web Development.
- **Interests:** Surfing; solo travelling; music; fiction novels; nature; festivals; sunsets; family; skateboarding