ciaran@cdeegan.xyz
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CIARÁN DEEGAN

Dublin, Ireland

SKILLS

Languages: JavaScript, TypeScript, SQL, C#, PHP, Python, HTML, CSS, Java
Frameworks & Libraries: Node.js, Vue.js, React, Angular (2.0+), three.js, Express, Nest
Services & Tools: Azure, AWS (S3, Fargate, EC2, Lambda, RDS, DynamoDB), Docker, MongoDB, Redis, Git, CI/CD

EMPLOYMENT

Senior Software Developer　　　　　**Davra**　　　　　**Nov 2021 – Aug 2023**
- Lead the development of a live video calling web app for US TV networks, acquired by Cisco for ~€1,000,000
- Transitioned VM-based architecture to Azure cloud microservices, cutting monthly operating costs by >30%
- Applied knowledge of algorithmic complexity to optimise the performance of cached data searching, reducing API latency by ~40% as measured by performance profiling tools
- Introduced automated CI/CD pipelines for multiple projects, reducing friction in testing and release processes

Software Developer　　　　　**Davra**　　　　　**Nov 2020 – Nov 2021**
- Key contributor to a greenfield 3D metaverse collaboration app, which generated license sales of >€600,000
- Created a robust state machine to better handle audio mute status, reducing error rates from 5% to <0.05%
- Built in-browser tooling to record, analyse and process audio streams of live video conferences in real-time
- Proposed and followed through with a front-end modernisation initiative aimed at increasing productivity

Software Developer　　　　　**Be A Part Of**　　　　　**Apr 2018 – Oct 2020**
- Developed bespoke e-commerce checkouts, which handled upwards of $5,000,000 in transactions per year
- Expanded the company's payment vaulting product with additional gateway support (Adyen, Braintree)
- Boosted developer productivity by internally releasing a self-made TypeScript Shipping and Payments SDK
- Ended customer complaints affecting a 200-order-a-day client by correcting tax breakdown calculations and improving the robustness of tax-related tests

Software Developer　　　　　**Playprint**　　　　　**Apr 2016 – Jan 2018**
- Developed a suite of apps which improved the efficiency of in-house numbering processes by up to 80%
- Partnered with Microsoft in building an Xbox Live code generator and validator compliant with their policies
- Lead developer of an Android bingo management app, licensed to over 10 clients in its first year of operation
- Attracted business to the value of €15,000 - €20,000 by constructing promotional website concepts

PROJECTS

swaps.tf　　　　　*Steam Virtual Trading Web App*　　　　　**Sep 2018 – Jan 2020**
- Leveraged machine learning to rapidly adapt to fluctuating market prices, thereby optimising profitability
- Employed various caching strategies to counter external API rate limiting and latency problems

Lens　　　　　*Augmented Reality Mobile App*　　　　　**Jan 2017 – May 2017**
- Used spatial mathematics to display on-screen markers relative to user location and device sensors
- Awarded a First-Class Honours, with innovation and depth of research noted as key contributing factors

EDUCATION

BSc. Computer Science　　　　　**Dublin City University**　　　　　**Sep 2013 – May 2017**