

BRADDY YEOH

UCD Computer Science

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📍 Bray, Co.Wicklow

EXPERIENCE

Software Development Engineer - AWS

Amazon

📅 May 2021 – Current 📍 Dublin, Ireland

- Developing a proxy to redirect customers' write traffic to the LDAP primary depending on resources
- Participating in on-call duty by monitoring latencies and system resources usage to ensure the Tier-1 Service is healthy and performing root cause analysis to troubleshoot issues
- Writing scripts to perform analysis on LDAP backup logs to gain insight into patterns in order to build tools
- Using code to create pipelines to deploy software packages to various environments and stages
- Assisted in rolling out services to new regions
- Participating in architecture designs
- Implementing logging in the proxy for observability, alarms for automatic rollbacks, and metrics for monitoring
- Creating canary environments and load tests
- Refactoring code to migrate in-house 1.0 service to 2.0 and rolling out to certain regions

Software Engineer - SAP Analytics Cloud

SAP

📅 March 2020 – September 2020 📍 Dublin, Ireland

- Working on backend using React, Java Spring, Maven, Tomcat, Jenkins, PostgreSQL, and MySQL
- Used Docker to dockerize API tests to provide portability and eliminated the need for a V.M to run API tests
- Used Jenkins to build CI/CD pipelines
- Updated production systems with latest WAR
- Used Spring and React to create a REST fullstack dashboard that retrieves numerous API response times from tests which allowed regressions to be identified
- Utilised Swagger to describe RESTful APIs
- Learned various microservices and distribution technologies
- Wrote unit and integration tests using Junit and Mockito
- Wrote Robot tests (Selenium) to test services running on Cloud-Foundry and Neo cloud platforms

Support Engineer - SAP HANA and SAP Fiori

SAP

📅 May 2019 – September 2019 📍 Dublin, Ireland

- Resolved system and customer issues by troubleshooting and providing effective solutions by taking up to 5 incidents per day.
- HANA work involved reading through logs, writing and analyzing SQL query performances, investigating system performance such as memory, CPU and nodes

EDUCATION

B.Sc. Computer Science

University College Dublin

📅 2017 – 2021

- Graduated with 1.1 (First Honours, 3.85 / 4.2)
- Awarded UCD School of Science Excellence in Mentoring
- Thesis was "Learning to Sparsify the Capacitated Vehicle Routing Problem Instances"
- Captain of Malaysian Society's Men's Basketball Team

PROJECTS

LDAP Write Proxy

Amazon

- Proxy to redirect write traffic based on a variety of scenarios to reduce load on the fleet

Learning to Sparsify the Capacitated Vehicle Routing Problem Instances

UCD

📄 Thesis

- Thesis on using classification to solve instances of a NP-hard combinatorial optimization problem

Gallery

UCD

📄 Gallery

- Social Gallery Image Annotation, think genius.com for images and Reddit up/down voting for the annotations built using microservices like Netflix Zuul, Eureka, Elastic Search, etc.

PnR Dashboard

SAP

- React-Spring RESTful dashboard that monitors response times to detect issues

- Fiori work involved investigating issues relating to HTML, CSS, JavaScript, SAPUI5 Library and web performance
- Tested product components to identify root causes of issues.
- Escalated complex problems such as failure of interdependent nodes in large production environments to management for resolution.
- Managed customer relationships by delivering prompt responses to questions.
- Provided technical troubleshooting and problem solving for clients with installed equipment/system issues.

VOLUNTEERING

CS Sparks Representative & Mentor

UCD

📅 Nov 2018 - Nov 2019 📍 Dublin, Ireland

- UCD Representative and teaching Micro:bit to girls in Transition Year from DEIS schools in South Dublin
- Joint project between Microsoft and UCD Women in STEM
- Aim was to highlight CS a career with diverse applications and a broad potential for social impact

Japanese Society Public Relations Officer

UCD

📅 May 2018 - Aug 2019 📍 Dublin, Ireland

- My role is to take photos of any events we are running, or participating in, to maintain and upkeep social media and to respond to members of the society when they contact us with their questions. I also work with other societies when there is a collaboration by sharing photos or planning for an event.

CS Peer Mentor

UCD

📅 Aug 2018 - May 2021 📍 Dublin, Ireland

- Peer mentor for the current computer science first years. I gave them an orientation guide of UCD, helping them bond with each other, organizing trips with other peer mentor groups and helping with any problems they have in college.

Future You Mentor

UCD

📅 Jan 2018 - May 2021 📍 Dublin, Ireland

- Mentoring 5th and 6th-year students helping them with their concerns about college, providing study tips and discussing with them the transition to college from secondary school.

Access Leader

UCD

📅 Jan 2018 - May 2021 📍 Dublin, Ireland

- Helping the UCD Access Centre with any events that are aimed towards reaching out to disadvantaged communities to provide them the necessary assistance to attend college.

Library Management System

UCD

🔗 LMS

- Spring RESTful project that where users can loan and reserve books.

Face Recognition App

Personal

🔗 Smart Brain

- React-NodeJS RESTful project that uses Clarifai API to detect faces in photos

Airline Reservation System

UCD

🔗 ARS

- Spring application that focuses on using the best security practices defined by OWASP

Interactive Virtual 2D World for Universities and Other Communities

UCD

🔗 Paper

- Researching for a HCI focused ACM Conference Proceedings Primary Article

SKILLS

C	Java	Python	Spring	React
HTML/CSS/JavaScript		SQL	MongoDB	
Maven	Docker	Bash	Unix/Linux	
REST	SAP Cloud Platform		Agile/Scrum	
Git	AWS	scikit-learn	NumPy	
Machine Learning		Distributed Systems		
Data Structures and Algorithms			LDAP	
LocalSolver		Gurobi		