

BRADDY YEOH

UCD Computer Science

@ yeohbraddy@gmail.com
www.yeohbraddy.com

0876918893
braddy-yeoh-945937152/

27 Saran Wood, Killarney Road, Bray, Co.Wicklow
yeohbraddy

Bray, Co.Wicklow

EXPERIENCE

Software Development Engineer - AWS

Amazon

May 2021 – Current Dublin, Ireland

- Writing Python scripts to analyse logs to gain insight into traffic patterns to improve tools
- Developing a Spring proxy to route internal Amazon customers writing to LDAP depending on the traffic and the resources available in the main hubs
- Refactoring Ruby code to migrate the inhouse replication service from 1.0 to 2.0 in China region
- Participating in on-call duty to monitor and fix production issues
- Using Ruby and IAAC to build out production and canary CI/CD environments for the write proxy where it had automated resource creation (AWS accounts, hostclasses, IAM roles, etc.) with staged rollouts, automated host patching, and CI checks.
- Implementing logging to set up CloudWatch, alarms, metrics, and dashboards for the write proxy to monitor latency, availability, etc.
- Writing Java load tests of different write operations at various transactions per minute for the canary environment
- Working with system engineers to scale out the LDAP service to new regions
- Refactoring the internal credential management system to use the new standard credential management system

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
- 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
- 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.

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 latency dashboard for E2E API tests

- HANA work involved reading through logs, writing and analyzing SQL query performances, investigating system performance such as memory, CPU and nodes
- Fiori work involved investigating issues relating to HTML, CSS, JavaScript, SAPUI5 Library and web performance
- 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			