# **John Dela Cruz**

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# **Introduction:**

With a passion for coding, I have learned to successfully implement it into my daily routine. It was through this, I understood the limitations and difficulties in implementing newer versions to my applications. This sparked an interest in streamlining and automating new builds, leading me to pursue a career in DevOps. I have gained practical experience at Home Office as well as Vivace allowing me to apply the skills gained at the QA Academy. My training with QA consisted of 3 projects that were to be completed with a full CICD pipeline.

# **Skills and Experience:**

## **QA Consulting:**

### July 2020 - October 2023, Remote

## **DevOps Consultant**

My hands-on experience at the Home Office and Vivace has allowed me to apply the skills honed at QA DevOps bootcamp. During this training, I successfully deployed multiple applications with a comprehensive CICD pipeline. This setup ensured minimal downtime and facilitated seamless updates in the test environment, managed through GitHub and GitHub actions.

**Home Office /** Platform Support Engineer

### 6 months contract, London

* I joined a Level 2 platform support team to maintain and provide Authentication and Authorisation to users.
* My daily task consisted of completing daily tickets from multiple boards, ensuring they were completed in the appropriate time frame.
* Performed weekly updates on databases, to ensure user permissions were maintained and eliminating unauthorised access.
* In a monthly rotation we were required to do an On Call for one week, in which I responded to critical issues that occurred within the AWS environment.
* Whitelisted third party domains allowing our networks to communicate.
* Reviewed peer's code commits before merging to our version control ensuring 0 pipeline errors.
* Utilised Cloudwatch and logs to identify the source of the problem and applied necessary repairs to keep AWS services operating at 100%.
* Employed a Jenkins test environment to ensure that the merge causes 0 disruption in live deployment.
* Tech Stack: Python, Linux, Jenkins, Docker, MySQL, AWS Gitlab, Confluence, Jira, Selenium, PowerShell

## **Vivace** / Tech Enabler (DevOps)

### 1.5 years contract, Vauxhall

* My role in Vivace was as a tech-enabler, giving exposure to multiple AWS services. I oversaw the deployment, building, and maintenance of AWS environments.
* Voluntarily engaged in multiple projects, expanding my expertise in cloud services, and exceling high-pressure situations while increasing the corporate efficiency.
* Oversaw and managed sensitive data, ensuring that it was handled correctly and according to company standards.
* Adapted to AWS environments with restricted services, and contributed by building and maintaining them. Such as creating new EC2, whitelisting IP addresses, and so on.
* Developed and resolved challenges by employing a bastion host with AWS workspaces allowing our users to access our VPC as their IP address were always changing
* Performed duties as a project manager and provided recommendations on the technology and security of our cloud network
* Pioneered conceptual ideas that evolved into large-scale projects, by presenting a strawman uncovering anything outside the scope and whether the project was viable. This resulted to a project plan that incorporated agile techniques, ensuring we are moving forward steadily.
* Arranged meetings and sync-up calls with stakeholders ensuring that their needs are addressed and user experience is up to standard.
* Documented cloud environment and "how to" manuals effectively communicating the design, ensuring a smooth transfer after the project is completed.
* Implemented best practices such as "least privilege" promoting security and reducing the possibility of user error.
* Evaluated cloud resources and identified inactive services, cutting our excess expenditure to 0.
* Made decisive cost saving, such as employing an EC2 instance as a database instead of AWS RDS resulting in a 70% savings.
* Written bash scripts to automate procedures and employed them on the creation of EC2 instance preconfiguring the virtual machine when it is deployed.
* Programmed an ingest tool with a full CI/CD pipeline, allowing users to upload CSV files, which are encrypted and stored in a S3 bucket. Utilising Docker the application ran at 100% even under load.
* Constructed a secure AWS infrastructure that accommodated a "Hackathon" which consisted of preconfigured EC2 instances with a shared volume.
* Tech Stack: Python, Linux, Terraform, Jenkins, Docker, MySQL, AWS, Ansible, Gitlab, Confluence, Jira, Selenium, PowerShell

**Education / Certificate**

## AWS Certified Cloud Practitioner CLF-02 2024

## Brunel University / Computer Science Upper Class 2.1/ 2019