Cian Sheehy

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Current role

Platform Engineer at Capital On Tap

Experience

Fintech, Gaming, Financial Services

Outside of work I...

enjoy running, practicing yoga and rock climbing. Doing these regularly help me become become a more balanced engineer.

Work experience

Platform Engineer, Capital On Tap

Sep 2023 - Present (1y 7m)

Fintech

- Worked on migrating our applications away from IIS to containerized microservices in Kubernetes. This was done using Docker, Kustomize, Helm & Flux2
- Migrated manually provisioned VMs to code using Packer and Terraform for several major projects (Teamcity, Message Bus Handlers, Windows Agents, other internal tools)
- Promoted collaboration within our own team and across engineering teams to maintain platform stability and reliability
- Implemented GitOps practices using Flux2 in collaboration with the team
- · Completed regular security patching and OS-level updates across our eco-system
- Managing all of our Azure resources using IaC tools (Terraform, Pulumi, Crossplane) and where required many legacy VMs using Ansible
- Ensured everything we owned was covered by monitoring using tools such as Datadog, Prometheus & Grafana
- Wrote and maintained automation scripts using PowerShell (primary) and Bash (for Linux tasks), supporting provisioning, and system maintenance across our environment
- Owned and maintained Azure DevOps and Octopus Deploy pipelines, implementing CI/CD workflows, environment-specific configurations, and release strategies

Junior Platform Engineer, Capital on Tap

Mar 2023 - Sep 2023 (6m)

Fintech

- Streamlined automation processes by developing efficient Powershell scripts, including Pull Request templates for existing repositories.
- Helped manage virtual machines using Ansible.
- Gained experience in cloud infrastructure management using Terraform & Pulumi in Azure and Cloudflare.
- Achieved valuable exposure deploying to AKS using Kubernetes.
- Contributed to teams observability by designing, and implementing monitors and dashboards, enabling early issue detection.
- Optimize CI/CD processes to improve team efficiency.
- Led several projects including segregating our CMS site to use it's own Nginx instance & improve security to our existing Azure functions



Fintech

- Assisted and led Automation & Quality practices across 5 teams
- Worked with teams to make sure their observability needs were met e.g. Making sure we have created alerts for each service and if anything was missed we made sure to fix asap
- Got good experience working with Azure cloud and Azure DevOps
- Integrating Docker into our testing approach and helped the other QAs to use it effectively e.g. Stub a MsSQL database for our integration tests
- Helped manage a shared repository for Azure DevOps yaml pipeline tasks. This reduced the cognitive overload for each team around the business
- Created a shared npm package for the Frontend engineer to standardise configuration and thus reducing duplicated/dead code e.g. Prettier, Eslint, Webpack
- Created a shared dependabot template that could be used around the business for managing packages
- · Coached & assisted each QA in this area on QA best practices and career goals
- Involved in the QA hiring process & creating QA competency framework with the other QA Principals
- Created & co-created testing strategies to make sure teams were aligned
- Gained valuable experience using the following tools; C#, Typescript, Azure, Docker, Azure DevOps, Playwright, Cypress, Specflow, DataDog, TestContainers, PowerShell and many more

Quality Coach / Lead Engineer - Quality, Xero

Aug 2021 - Feb 2022 (6m)

Fintech

- · Mentored engineers by providing technical expertise in Quality, CI/CD and Observability
- Streamlined on-call process & facilitated regular retrospectives
- Migrated alerts to code to enhance scalability and maintainability
- Developed shared libraries for duplicated code across projects, including a npm package for accessing user data API
- Contributed to QA hiring initiatives
- Leveraged pair programming to groom engineers in E2E Testing, exploratory testing
- Gained valuable experience using the following tools; Terraform, Pagerduty, AWS and many more

Engineer - Quality, Xero

Jan 2020 - Aug 2021 (1y 7m)

Fintech

- · Being the advocate for Quality & Automation within our team & product group
- Gained great experience working in AWS to create and deploy resources. In this time I worked with S3, EC2 & EKS
- Used Terraform to create and manage our infrastructure and made sure our state was backed up to \$3
- Being the go to person in the team for our CI/CD needs. This involved creating and managing pipelines in Teamcity/octopus and making sure to codify all our Teamcity pipelines using kotlin
- Made sure our teams observability needs were covered by creating NewRelic alerts & dashboards. For the greenfield projects these were codified using Terraform
- · Worked extensively with Docker for building our newer APIs and using it our testing workflows
- · Gained some experience using Kubernetes and was able to debug minor to medium sized issues
- Created several bots/scripts using python or bash to improve certain processes e.g. Development environment health status



- Led & co-led some testing initiatives that affected our group
- Implemented new test frameworks into our application to achieve different goals e.g. visual regression, jest aXe for accessibility & K6 for some simple performance metrics
- Gained valuable experience using the following tools; C#, Typescript, Python, Kotlin, Terraform, Batect, Playwright, Cypress, Specflow, React, Kubernetes, NewRelic, Grafana, Sumologic, Moq, Xunit, Nunit, Docker, Bash and many more

Automation Test Analyst, VizExplorer

Jun 2019 - Nov 2019 (5m)

Gaming

Quality Assurance Engineer, Fidelity Investments

Sep 2015 - Jan 2019 (3y 4m)

Financial Services

Education

University of Galway Sep 2010 - May 2015 (4y 8m)

Bachelor of Science (B.Sc.) (2:1) Computer Science

Snippets

AWS Certified Cloud Practioner @ www.credly.com

During my time at Xero I achieved the AWS cloud practioner certification

More about me

Outside of work I... Interests

enjoy running, practicing yoga and rock climbing. Doing these regularly help me become become a more balanced engineer. Running, Reading, Yoga, Bouldering, Hiking, Swimming

