Evan Day

SUMMARY

Young professional with a demonstrated history in the enterprise and in small business. Extremely self motivated towards building and encouraging best practices in cloud computing, with excellent capacity to learn more from others. Always willing to teach to those who are willing to listen on DevOps principles, Container best practices and more. Proven presentation skills to senior and executive leadership on both the latest project and the most recent outage.

SKILLS AND REFERENCES

SKILLS

Cloud Computing
Amazon Web Services (5 Years) • Google Cloud Platform (3 Years) •
Microsoft Azure (3 Years) • DigitalOcean (2 Years)

Technologies and Methodologies
DevOps • Docker • Kubernetes (AKS, EKS, GKE) • Pivotal Cloud Foundry •
Concourse CI • CI/CD Pipelines • Load Balancing • S3 Storage • Bash
Git • Github Actions • Terraform • Linux System Administration
AWS Developer Tools • VPC Networking • BOSH • Relational Databases
Docs as Code • Zero-Downtime Deployment Strategies

Languages
Java • NodeJS • HTML • LaTeX

Other
Paired Programming • Agile Methodologies • Partnering with Others
Public Speaking • Active Listener • Analytical • Empathetic
Natural Scheduler • Self Awareness • Open Minded

REFERENCES

McKesson - James Hurley - Director of
Software Engineering
hurleyj@gmail.com
World Wide Technology - Denis Canty -
Chief Technology Adviser
linkedin.com/in/denis-canty-883b334

EXPERIENCE

MCKESSON | Associate Platform Engineer
July 2019 - Present | Cork, IE

Working as an Associate Platform Engineer for McKesson, a Fortune 8 company with an estimated 200 billion USD in annual revenue. As a member of the Platform Services team, we support an estimated 900 applications and around 2000 containers across Pivotal Cloud Foundry, Google Kubernetes Engine and Azure Kubernetes Service. Many of these applications are business critical and are the driving force behind the company revenue and our ability to support the healthcare of individuals around the world.

- At peak, we supported 23 systems, comprised of three Concourse CI instances, nine Pivotal Cloud Foundry platforms, and eleven Kubernetes platforms spread across Docker Enterprise Edition, GKE and AKS, all in different geographies. I lead the deployment of multiple GKE based platforms in Europe and the sunset of our PCF instances in Europe. All of our deployments are orchestrated and managed by a CI/CD pipeline we maintain as a team, with Terraform our tool of choice for defining platforms in Infrastructure as Code.
- I engage directly with several of our internal customers, primarily with assistance on their move to Kubernetes. My work varied from advising teams on CI/CD patterns, to being the lead engineer on a dedicated platform build for one of our Lloyds Pharmacy business units.
- Application team engagement can just be advice on how best to proceed, so I often work in a consulting role for teams. Once I receive an overview of their application, I will often advise on what approach to take. This approach could be whether they should use Concourse CI or Github Actions for their pipelines, or what kind of architecture their application should use within a Kubernetes cluster.
- I also run workshops on behalf of the Platform Services team for our application teams. These workshops are designed as introductionary steps to Kubernetes and CI/CD practices in Kubernetes, but can also be more advanced depending on the team. At the end of the workshop, teams will have the resources to build their application in Docker, with a CI/CD pipeline that will handle builds on their behalf. Their pipeline will also perform a rolling update of their application in Kubernetes, ensuring minimal downtime.
- Incident management forms a part of my day to day routine with McKesson, I primarily focus on our L3 queue, but can often triage the L1/L2 queue for our third party support to determine what should go to L3 and what should get reassigned to another team. I am also part of an on call rotation, where I am the primary on call operator every six weeks.
- Part of my work that enables us to maintain our SLAs is our on call activities. I have paired on, or lead the resolution efforts for several High or Critical business impacting events that occurred during on call.

MCKESSON | Software Engineer Intern
Jan 2018 – June 2019 | Cork, IE

As part of my BSc Honours in Computer Systems, I completed an eight month work placement program with McKesson, during this placement I was part of the Developer Services group, with the objective of introducing best practices on DevOps and building standard pipeline solutions for teams. After my eight month placement, I continued with the company as a part time contractor until I completed my degree. As part of this contract, I worked with the company in tandem on my final year project for college.

- As part of this team, I worked on some of the initial versions of our CI/CD pipelines and evaluated multiple tools to determine what would be the best fit for us. This included the ancillary tools that go with CI/CD, such as security and artifact storage. These tools included Concourse CI, Sonarqube and jFrog Artifactory.
- As an intern, I also worked with other technical and non-technical interns on various 'intern projects' in the company. This included things such as a breakfast morning for the office, all the way to using Google Cloud Platform AI services to monitor usage of the company car park. We presented these projects to senior leadership, including the Executive Vice President, CIO/CTO of the company at the time and the wider local office.

EVAN DAY | Sole Trader, Small Business Operator
May 2016 – April 2019 | Cork, IE

To increase my opportunities to learn about cloud computing and to generate some income, I began a small business as a sole trader in my first year of college. The business traded under the name of Suvoken Cloud Solutions and was an all in one provider. I handled web design for clients, while building my own custom solutions for web hosting on top of Amazon Web Services. By leveraging technologies such as S3 storage and content delivery networks, I was able to offer more performance at a lower price than my competitors. Automation was key to my success and I had pipelines that handled updates and deployments to my client websites in minutes. I eventually wound down the business to focus on my professional career, but it served me greatly in my original purpose of learning more about cloud computing.

- My infrastructure was predominately based on Amazon Web Services, where I leveraged EC2, S3, ELB, RDS, Route 53 and CloudFront. Deployments and updates to websites were all handled by CI/CD pipelines, initially with Gitlab but later, AWS CodeBuild and CodePipeline.
- The business supported the full stack for websites, including domain names, TLS certificates, hosting services, web design services, email and more.
- At my peak, I was supporting Ireland's largest food blog website, `https://biamaith.ie` and my infrastructure supported an estimated 600,000 annual visitors to their website.

PROJECTS AND ACTIVITIES

FINAL YEAR PROJECT | Automated CI/CD Creation Platform
Sept 2018 – May 2019 | First Class Honours
My final year project was titled 'Automated CI/CD Creation Platform', it was a project where I researched what had already been done in automation with regards CI/CD tools and infrastructure. Once I had concluded my research, I developed a prototype that could provision an end to end CI/CD platform. The platform included the requisite cloud infrastructure, using Kubernetes and deployed tools such as Concourse CI, jFrog Artifactory, Sonarqube and used the Nginx Ingress Controller as a reverse proxy.

CLASS REPRESENTATIVE | Computer Systems Class
Sept 2017 – May 2019
Class Representative for Computer Systems class for the 2017-2018 and the 2018-2019 academic years.

EDUCATION

CORK INSTITUTE OF TECHNOLOGY | BSc. Hons in Computer Systems
Sep 2015 - Sep 2019 | Cork, IE • First Class Honours

HOBBIES AND INTERESTS
Home Lab and Self Hosting • Technology • Formula One • Gaming • Music • Coffee • History • Books