

# Sean Lucey

CLOUD INFRASTRUCTURE ENGINEER ·

Cork, Ireland

☎ 087 9746564 | ✉ sean.d.lucey@gmail.com | 🌐 seanlucey | 📺 sean-lucey

## Skills

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**Cloud computing:** Amazon Web Services

**Databases:** Microsoft SQL, MongoDB

**Configuration Management:** Ansible

**Source Code Management:** Git

**Containerization:** Docker

**Web Servers:** IIS, Nginx

**Infrastructure as Code:** Terraform, Packer

**Secrets Management:** Vault

**CI/CD:** GitLab, TeamCity

**Programming/Scripting:** Powershell, Java, Python

**Monitoring/Observability:** ELK Stack, New Relic, Prometheus, Grafana

## Professional Experience

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### Genesis Automation

Cork, Ireland

CLOUD INFRASTRUCTURE ENGINEER

Oct. 2018 - Present

- Genesis Automation is a SME MedTech company that specializes in software solutions for hospitals, providing traceability, analytics, management and point of care solutions.
- I oversee our core infrastructures, networks, services, safeguards, and monitoring solutions. Providing uptime on system critical servers.
- Developed deployment automation using Python and PowerShell for software upgrades on test and live systems
- Designed and built public and private VPC networks for client solutions according to customer specifications.
- Architected and developed high availability web applications infrastructure.
- Manage Amazon Web Services – EC2, S3, RDS, ElasticSearch, CloudWatch, IAM, VPC, CloudFront.
- Took initiative in introducing and integrating IaC tools Packer, Terraform, and Ansible.
- Setup network monitoring solutions and created visualization using flow logs, ELK stacks and Kibana.
- Developed and automated backup and disaster recovery solutions for client production servers.

### Ervia

Cork, Ireland

DESKSIDE SUPPORT ENGINEER

Jan. 2017 - Oct. 2018

- Resolved end user incidents, logging, and recording through Service Now ticketing system.
- Managed Exchange and Active Directory across multiple domains.
- Spearheaded companywide project for the imaging, deployment, maintenance, and support in the migration of 300+ users from XenClient to Windows 10 laptops.

### PFH Technology Group

Cork, Ireland

DEPLOYMENT ENGINEER

Dec. 2016 - Jan. 2017

- Coordinated and developed deployment process for rollout of laptops with Windows 7.
- Trained team members in deployment and documentation process.

### Digital Networks Solutions

Norwich, UK

TECHNICAL SUPPORT ENGINEER

Nov. 2013 - Jan. 2016

- Administered vSphere-hosted Windows servers and network infrastructures.

## Education

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## University College Cork

*Cork, Ireland*

### COMPUTER SCIENCE

*2007-2012*

- FYP: Using Java, I created a network-based banking system. This project revolved around bank-like interactions between a locally run server, connecting clients and an Access database backend. Clients performed basic banking services such as withdrawals, transfers, and viewing account details.