

Alan Kelly

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PROFILE

Msc Information Security Student at Cork Institute of Technology. Experienced with the use of SIEMs, and numerous programming languages also have experience as an automation engineer and IT support role from previous roles. Seeks role in cyber security or programming role.

EDUCATION

(BSc Hons) Software Development & Computer Networking (Result: 1.1)
(Msc) Information Security

Sept 2014 – May 2018

Sept 2018 – present

Cork Institute of Technology, Bishopstown, Cork, Ireland.

Core Modules:

- Object-Oriented Programming. Result(90%)
- Internet & Network Services. Result(85%)
- Android Mobile Development. Result(91%)
- Network Security. Result(80%)
- Software-Defined Networking. Result(91%)
- Network Fundamentals. Result(95%)
- Operating Systems. Result(90%)
- C Programming. Result(92%)

Projects:

3rd Year Group (4 in group): An Automobile Management & Security System. **(Result: 86%)**

- Built an android app to interface with an Arduino based hardware and a web site which will act as a control centre for managers monitoring the company's sales representatives.
- I was responsible for leading the team, delegating tasks, creation of the Android app and writing the project documentation.

Internet & Networking Services Group Project (2 in group): Linux Administration. **(Result: 100%)**

- Configure & administrate Linux servers and Linux services such as SSH server, Bind and PostFix.

Agile Processes Group Project (4 in group): Continuous Integration Project. **(Result: 100%)**

- Install, configure & review several continuous integration services such as Travis, Jenkins and Gitlab.

Final Year Project: IP Scanner and Monitor for Distributed Control Systems(DCS). **(Result: 70%)**

- Design and implement a C# Application used to monitor a DCS in a live production environment.

WORK EXPERIENCE

SAAS Technical Support Engineer

May 2018 - present

Alien Vault, Grand Parade, Cork, Ireland.

Areas of responsibility:

- Assisting in the deployment & configuration of AlienVault's cloud SIEM (USM Anywhere) via phone, email and remote sessions.
- Remotely accessing customer equipment to diagnose issues in real time using command line tools.
- Once issues are diagnosed, collaborating with engineering team to resolve the issues and documenting the procedure and root cause for future troubleshooting.
- Using Linux utilities such as grep, tail, less etc.. to search and find issues in debug logs to diagnose customer issues.
- Testing on a virtualised development system to replicate customer issues, for further investigation.

IT Automation Engineer

Mar 2017 – May 2018

Pfizer, Ballintaggart, Ringaskiddy, Cork

Areas of responsibility:

- Build & configure replacement servers for a live production environment for disaster recovery.
- Replace or upgrade plant servers, workstations and NASs when they fail.
- Diagnose faulty equipment such as servers, workstations and NASs and repairing when possible.
- Diagnose and solve network issues related to work stations, NASs and servers.
- Upgrade and patch 100's of servers, NASs & workstations in a live production environment.
- Full adherence to organisational policies and regulatory requirements including health & Safety.

Owner Manager and Carpenter

June 2010 – Oct 2012

Alan Kelly Carpentry Services, Ballincollicie Road, Ballyvolane, Co. Cork

Areas of responsibility:

- Sourced new work by finding new ways to promote the company.
- Evaluated project specifications outlined by the client in order to achieve a high quality, appropriately priced finished product.
- Prioritize work, recruited contractors as needed and completed jobs within deadlines.
- Maintained health and safety records, ordered material and organised deliveries.
- Advised clients to achieve a finish of the highest level.

IT SKILLS

Software Development

- Competent in Java, C, C#, HTML5, Python, Scripting and SQL.
- Experience using IDEs such as JetBrains Suite, Android Studio, Mbed and Eclipse.
- Experience with version control software GitHub & continuous deployment tools Jenkins and Travis.

Software and Operating Systems

- Experience deploying and maintaining Windows, Various distributions of Linux, Android, Mac OS, Cisco IOS, Docker, OpenVPN and Bhyve/ESXi/Hyper-V hypervisors.
- Proficient user of Microsoft Office suite, Salesforce, Freshdesk Atlassian Suite and TeX.

Networking

- Experienced with remote management tools such as RDP, SSH & TeamViewer.
- Knowledge of networking administration using the following tools and protocols: TCPDump, WireShark, IpTables, Snort, IP, TCP/UDP, QOS, DHCP, ACL, IDS/IPS, DNS, NAT and DMZ.
- Currently hold CompTIA A+, Network+ and AlienVault Security Engineer certifications.

ACHIEVEMENTS/INTERESTS

Class Representative (Volunteer Role), CIT - (Sept 2016 – May 2018)

- Act as a liaison between my classmates & the CIT staff & represent my class at Union meetings.

Peer Assisted Learning & Support Leader (Volunteer Role), CIT - (May 2016 – May 2017)

- 1 to 1 mentoring of new first year students & Erasmus students.
- Provided academic support and a positive social environment, helped new students with academic and social issues.

CoderDojo (Volunteer Role), CIT - (Apr 2016 – Apr 2017)

- Assisted children to learn Python, Html, Raspberry Pi, Minecraft Programming and Networking.
- Distribute project folders & help tidy up after the sessions.

REFERENCES

Eoin Deane, Senior Technical Officer IT Services, Cork Institute of Technology Tel: 0214335535
Séamus Lankford, Lecturer/Placement Coordinator, Cork Institute of Technology Tel: 0214335575