Niall Quirke

Email: quirkeniall@gmail.com
Web: http://www.niallquirke.com
LinkedIn: https://www.linkedin.com/in/niallquirke
Phone: (+353) 858230281

Education

B. Eng. in Electronic and Computer Engineering   2014 - 2018
Dublin City University
Grade: 2.2
Specialized in Internet of Things in final year including modules such as
- Object Oriented Programming in Java and C++
- Web Application Development with JavaScript and SQL
- Basic Linux
- Mobile Robotics (Raspberry Pi, Arduino, Motors, Sensors)
- Data Communications and Networks
- Computer Architecture and HDL
- Embedded Systems and Circuitry with Assembly Code
- Digital Signal Processing
- Control Systems Analysis

Leaving Certificate   2008 - 2014
Borris Vocational School, Borris, Co. Carlow
CAO Points: 465

Employment

Cloud Operations Engineer   2018 (present)
Amazon Web Services
- Managing the AWS account with full access of many major international companies.
- Would receive many tasks daily to do with infrastructure change, patch management, security risks.
- Included a lot of training in AWS, Linux, Networking, Cloud Services, Scripting, Security.
- A major part of my role within the AWS Managed Services team was to automate everything we do. This would include developing a lot of software in python, bash and in infrastructure as code environments, like CloudFormation to perform automated infrastructure requests.

Technical Support Engineer   2017 (6 mths)
Citrix Systems
- Solving technical cases for major international clients for the Netscaler ADC product.
- Several cases would be taken daily typically lasting up to 2 weeks including remote sessions with the customer, reproducing and troubleshooting the customers network in a lab environment and presenting solutions to teams of IT management.
- Included a lot of training in Networks and Access Control including a lot of work with SSL certificates, load balancing, content switching, analysing network traces and much more.
- Passed the Citrix Certified Professional in Networking (CCP-N) exam.

Brand Ambassador   2016 (6 mths)
Tilt Payments App
- Promoting the Tilt payments app around the college campus.
- Organizing events, running online campaigns and a lot of teamwork with the other ambassadors.

Sales Assistant   2016 (6 mths)
Curry's PC World
- Hands on experience in sales and customer service.
- Enjoyed working towards targets and was often the weekly top sales person.

Projects

Google Chrome Extension: DoubleClicker

A chrome extension that lets you open links in new tabs by double clicking on them. Sick of right clicking and then clicking "open link in new tab" I built this app for myself more than anything. Mostly Javascript involved. It can be found on the Chrome Web Store and has over 200 weekly users so far.

Passive NFC Environmental Sensor

My Final Year Project in college is to develop a passive Near Field Communication (NFC) sensor which can be permanently installed in locations without power supply or network connection and then read periodically via a NFC-enabled smartphone Android application. The project will involve designing the NFC 13MHz inductive loop circuit, a very low-power microcontroller and sensor hardware/software system, smartphone user-interface and NFC communications interface software.

Autonomous Taxi with Fingerprint Authentication

3rd year engineering project of designing and building an autonomous car on a team of 4. The car was directed by a microcontroller using sensors to follow white lines on a black map and requesting its next destination from a server linked to a website. As our innovation piece for the project our car would go to a certain station depending on the fingerprint entered to the scanner. As the Computer Engineer on a team of three Mechatronic Engineers I was responsible for most of the code and biometrics implementation. We finished 2nd out of 22.

Thump - Biometric ID for Nightclubs

A project to build a system that allows people to use their fingerprints as ID outside clubs. This would eliminate the need for bringing out passports and drivers licences and would allow users to skip the queue. Main tasks included a Windows C++ application to take fingerprints from a USB fingerprint scanner attached to a windows tablet and add to or check a database returning a user-friendly display. The project was accepted by the Tony Ryan Academy of Entrepreneurship program "UStart" where it was developed over summer.

Interests and Achievements

- Citrix Certified Professional – Networking Certificate (CCP – N)
- Acceptance into the Tony Ryan Academy of Entrepreneurship program "UStart"
- Managing DJ gigs for 4 DJs in clubs and bars around Kilkenny and Carlow for over 5 years
- Producing dance music and managing a Facebook page with over 1200 followers
- Borris Vocational School Senior Business Student of the Year 2014
- Borris Vocational School Footballer of the Year 2011, 2014
- Full Irish Driving Licence 2015

Reference

Richard Mann   Richard.Mann@citrix.com
Netscaler Frontline Team Manager
Citrix Systems

Steven Farrell   stemoney@amazon.com
AWS Managed Services Operations Manager
Amazon Web Services