Daniel Grammatica  
systems administrator

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# About

I have always had a fascination with technology since a young age. At twelve I was helping to manage my schools network and fixing computers for friends. This passion only grew as I got older and transformed into a career. Although I spend a lot of free time tinkering, building and crawling /r/sysadmin, I recognise the need to disconnect. From this need I have developed a great love for all things outdoors, especially climbing. I spend a lot of my free time down the local climbing gym and weekends exploring the Lake District and Snowdonia.

# Work

## The Raspberry Pi Foundation

### **IT Support & Systems Analyst** | 2016-03-21 — 2017-05-31

I joined the Raspberry Pi Foundation during a sustained period of growth, within a year we went from roughly 20 employees to 120+. This was an initial contract of three months with the aim to deploy a cloud infrastructure and improve local infrastructure in Cambridge and London.

## Highlights

* Helping with the security requirements to enable ground to space communication with our two Raspberry Pi's on the International Space Station.
* Networking with leading professionals at a variety of events, most notably our birthday party celebration at the Houses of Parliament.
* Spending a week at the family orientated music festival Camp Bestival teaching children how to code in Scratch and Python.
* Migrating the foundations existing hosted exchange and file storage to the Google suite of applications.
* Working with different teams to identify workflows and establish IT systems to help automate and remove mundane processes.
* Identifying the needs of different teams and trialling different CRM's before implementing the most suitable system.

## Smart Technologies

### **IT Systems Engineer** | 2015-10-18 — 2016-03-19

At Smart Technologies I supported over 45 clients with 235 Servers and 1000+ Workstations alongside my colleagues. Moving to the Private Sector was an interesting step knowing there wasn't much adoption for OpenSource systems within Small/Medium Business Applications.

## Highlights

## Exposure to proprietary systems, SLA's, their commercial uses and vendor contracts that come with.

## Building my PowerShell skills developing fixes and scripting solutions for clients. Managing Cloud Based systems, Office365, Spam filtering, Remote Management etc.

## Migrating clients to hosted solutions ensuring a smooth changeover, without any loss of data or business productivity.

## Working with a vast range of Hardware/Software products. Applying previous knowledge to new systems, discovering the fundamentals are the same.

## Developing my customer focus and team working skills, ensuring the client is satisfied with the end product and level of support.

## Bourne Grammar School

### **Systems Administrator & Performing Arts Technician** | 2011-03-01 — 2015-10-18

I started at Bourne Grammar School as an IT Technician after proving myself as a student IT assistant. My main responsibility was providing support for 1800 pupils and 100 staff. As I worked up to Systems Administrator I've built new systems and optimised many others, improving the end-user experience and enabling the School to use their finances for other departments.

## Highlights

* Setting up an OpenStack private cloud to enable students to experiment with Linux and web servers.
* Using Cobbler and Fabric to PXE boot and configure a subnet of PC's with a Windows/Linux dual boot.
* Rebuilding the Schools network improving reliability and implementing VLANS. Along with a Fortinet firewall, web filtering and Nginx reverse proxy to save on IPv4 address'.
* Implemented BYOD for 1800 users using Meru wireless networking, combined with port ACL's for security.
* Building an Asterisk PBX to replace our dated Siemens analogue PBX, saving the School on expensive phone lines and support contracts.

# Education

## Bourne Grammar School

2005-09-01 — 2010-07-01

* 9 GCSE's including Maths, English, Science, IT
* 1 GCE AS - Computing

# Volunteer

## Cambridgeshire Search and Rescue

### **Search Technician** | 2017-03-01 — Present

Cambridgeshire Search and Rescue (CamSAR) is the Lowland Rescue unit covering our county, often also assisting sister teams in the wider region. We are a specialist team, called upon by Police in the search for vulnerable missing people: a child, an elderly person living with dementia or even someone who is considering taking their own life.

## Highlights

* Locating a missing person allowing family and friends closure.
* Building on my skillset with specialist training.

Bourne & District Roundtable 896

### **Hon. Treasurer** | 2014-10-01 — 2017-04-01

Roundtable is about having a good time, networking and helping the local community. As well as our Music Festival, we invite the pensioners in Bourne to a Christmas Dinner. Along with a Fireworks night raising funds for the local primary school.

## Highlights

* Organising a Music & Beer festival annually for the local community, raising on average £20k for charity.
* Attending social events. Raft race, Segwaying, Shooting and drinking!

# Skills

## Systems Administration

 Linux (Mostly Debian based)  Fortinet  Windows  Windows Servers  
  Networking  Scripting (Python/Shell/Powershell)  Documenting  LEMP/LAMP Stacks  Cloud Services

**Web Development**

 HTML  CSS  Markdown  Frameworks  CMS  Photoshop/InDesign

### **Live Events**

 Event management  Sound  Lighting  Stage  Rigging  Health & Safety

# Interests

**Online Rights**

 Electronic Frontier Foundation  Open Rights Group  Crypto-parties   Raising awareness

**Great Outdoors**

 Bouldering  Rock Climbing  Scrambling  Adventures  Wild Camping

**Water Sports**

 Kayaking  Canoeing  Paddle-boarding

# References

**— Philip Colligan, Chief Executive – The Raspberry Pi Foundation.**Daniel has quickly established himself as able to learn and apply new skills and knowledge. His recent work on setting up a Linux AD integrated environment was impressive.

**— Stephen Brown, Director of Computing - Bourne Grammar School**Daniel has matured into a very responsible, hard working and honest young man, someone I am proud to call a true friend.

**— Harry Goodger, Managing Director - Paridom Company Ltd.**