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SUMMARY

Ruby Developer, Identity and Access Management, Devops sysadmin, Test Engineer
Specialties: Ruby, Account and Identity Management, LDAP directory management, Shibboleth, SAML, authnz, identity assurance, credential management, middleware, BDD/testing, Cucumber, web application development, developer collaboration services, XMPP messaging, Linux, system integration, Puppet

SKILLS

- Linux
- Web Applications
- Git
- Subversion
- Bash
- MySQL
- JavaScript
- Federated Identity Management
- XML
- BDD
- CentOS
- Middleware
- Scrum
- RSpec
- Authorization
- Smart Cards
- Authentication
- x509
- Password Recovery
- JVM
- Certified Scrum Master CSM
- Kanban
- ElasticSearch
- Apache
- Identity Management
- Servers
- Agile Methodologies
- Ruby
- Information Security
- Databases
- SAML
- Ruby on Rails
- Agile Testing
- Puppet
- Perl
- LDAP Administration
- Two-factor Auth (2FA)
- SLES
- Yubikey
- Cucumber
- Password Management
- Tomcat
- Shorewall
- Debian
- Enterprise Messaging

EXPERIENCE

Digital Identity Ltd

01 / 2010 - Present

Founder

Digital Identity Ltd is a new Manchester-based company that supplies federated identity services to higher education. Most of our work is based around applying the many benefits of Shibboleth and other SAML identity software to social and business web applications. We are currently focusing on our new Indiid cloud identity product but are still providing consulting, support and subcontracting services.

BBC

10 / 2012 - 10 / 2014

Software Developer in Test

Middleware service testing: developing and supporting the automated test framework for BBC Search. This mostly involved using Ruby and Cucumber to test Java services. Part of the team that built <http://www.bbc.co.uk/search>

The University of Manchester

01 / 2005 - 06 / 2012

Senior Directory and Registration Administrator

I developed and maintained the University's IT Account Manager software, which is used to supply new students and staff with IT accounts. I built and ran the University's web authentication services (based on CAS and Shibboleth/SAML) and provided 3rd-line support for the central identity management database. I created bespoke identity services and integrated University systems with third-party services.

UMIST

02 / 2004 - 01 / 2005

PC Network Officer

I performed varied backfill duties for Systems and Networking staff during the merger with Manchester University. I was UMIST Hostmaster and Postmaster and maintained proxy, IMAP and webmail services. I also processed CERT incidents and coordinated copyright enforcement procedures.

Granada Learning

06 / 2000 - 01 / 2004

Network Administrator

I managed the development and maintenance of the Newcastle office network and intranet, Granada Learning's physical and Internet assets, co-hosted servers and VPN/WAN integration with other offices. I built a teacher-training classroom of 25 centrally managed PCs.

Granada Learning

07 / 1998 - 06 / 2000

Technical Researcher

This position was a hybrid of Content Coordinator, Technical Support and System Administrator roles. I researched and implemented new features for multimedia products. I also maintained email and intranet servers and provided IT support to staff.

Interactive Learning Productions

10 / 1994 - 06 / 1998

Content Coordinator

As a Content Coordinator I was responsible for acquiring, editing and supporting the content for a number of successful educational CD-ROMs. This included hiring and managing external authors, artists and actors, directing video and audio recording sessions, product proposals, and producing online and printed help and documentation.

EDUCATION**The University of Manchester**

1990 - 1993

BA(Econ.) Honours, 2:1 , Government and Economics