

Rob Golding

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I am an able and enthusiastic Computer Science graduate from the University of Nottingham, England. I'm a keen web applications developer, and an experienced systems administrator.

I am a fluent Python developer, and have been using Django for over 3 years. I have experience with a wide range of web technologies (and otherwise), from nginx and memcached to CSS3 and jQuery.



Education

University of Nottingham, England

Course: Computer Science BSc (Hons)

Result: First Class Honours (final mark 80%)

Skills

Web Applications Development

- Skilled Python/Django developer
- RESTful API design and implementation
- Relational database design
- Asynchronous task execution & caching (Celery, Redis, memcached)

Systems Administration

- Ubuntu Server management & automated deployment
- Application and network monitoring (Graphite, Cacti)
- VMware ESXi server installation/management
- Windows Server and Active Directory integration

Other

- Clean UK driving license held since 2007
- Good telephone skills, honed in remote support roles

Experience

Safe Computing Ltd.

Web Applications Developer (Feb 2012 - present)

- Sole developer & application architect on a large & complex Django project
- Responsibility for managing infrastructure as well as developing new features & bug fixes
- Designing a robust, scalable architecture on AWS to support growing userbase and provide redundancy.
- Languages/technologies include: *Python, Django, HTML, CSS, JavaScript, Gunicorn, nginx, MySQL, Celery, RabbitMQ, Redis, Git* and many more.

Nottingham City Council *Schools Support Technician (June 2011 - Feb 2012)*

- Team of approx. 12 support technicians supporting over 100 primary schools
- Developed and maintained an automated server installation program
- Create and update software deployment scripts for popular titles
- Manage the procurement of new hardware and software for schools, through contracts held with multiple suppliers

Nottingham City Council *Schools MIS Migration (June - September 2010)*

- Developed automated migration process for SQL Server instances (2005 to 2008)
- Oversaw the migration of over 100 instances across the city
- Completed the migration on time, with no major issues or data loss

Nottingham eLearning Centre *Systems Technician (June - September 2009)*

- Supported staff and students over 2 sites (WAN linked)
- Microsoft Windows/Active Directory network
- Installed a network monitoring system (Cacti) to identify and resolve issues more quickly

Net-Plus Computer Systems *Network Consultant (2008 - 2011)*

- Proposed, installed and maintained a new Active Directory/Exchange environment
- Implemented and tested a backup procedure for business data

Open Source

TeXSupport

My latest hobby-project, [TeXSupport](#) is a web-based automatic LaTeX document compiler, built to be integrated with GitHub repositories through commit hooks. It makes use of [Celery](#) for asynchronous task execution, with [RabbitMQ](#) as a message broker.

django-radius

[django-radius](#) is a RADIUS authentication backend for Django. It also allows an application to authenticate to a specific RADIUS server, depending on the credentials supplied. The code is fully documented, and designed to be extended for use in cloud applications.

backtrac

[Backtrac](#) is a real-time backup system that works like version control for an entire file system. The entire system is implemented in pure Python, using Twisted for the client/server and Django for the web interface.

I developed backtrac for my 3rd-year project at university, and it's probably the biggest piece of software I have produced. I chose to make the source code available from the beginning, and it is licensed under the GPL.

References

Available on request