# David John

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CONTACT
INFORMATION

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*DoB:* January '90

WORK HISTORY

**DevOps Engineer, Toptal**
*October 2016 ongoing*

- Client: MindTrust Labs. Contracted as their AWS specialist in a DevOps capacity to work with Amazon's CodeDeploy, CodePipeline, CloudFormation and the usual EC2/RDS/Route53/EFS/etc resources to implement automated blue/green deployments in an auto-scaled and infinitely scalable infrastructure. This also involved creating the templates for swift deployment of new sites using the same stack via CloudFormation to provision the resources and Ansible to configure the instances.

**DevOps Engineer, People's Postcode Lottery**
*January 2016 until May 2016* (6 months)

- In depth work with Ansible
- Working intimately with the developers, DBAs, managers and IT
- Maintenance of the dev/staging/acceptance/production environments
- Primary sysadmin of $\approx$ 200 servers
- Continuous deployment
- Setup and use of Ansistrano/Capistrano
- Atlassian suite (JIRA, HipChat, Confluence, Bitbucket)

**Freelance Linux Sysadmin / DevOps Engineer**
*September 2014 ongoing*

- Repeat contracts for numerous clients generally in the area of Linux sysadmin and DevOps. Some software engineering and scripting
- Technologies: Docker, Qemu/KVM, OpenVPN, Ansible, Jenkins, Puppet, Python, Perl, Bash, AWS (Cloud Formation, EC2, S3, ECS, Route53, ELB, ASG, . . . ), CloudFlare, Git, MySQL, PostgreSQL, Nginx, Apache, uwsgi, and more
- I have outlined below a portion of the work done for my clients over the years.
- Communication was key to my success with every client, and with their development teams.

Client: Daniel Medveczky, EQRaffle, RSBooster, . . .

- My client's project was overloaded and they hired me as a specialist who could move them to the cloud for scalability.

- This was extremely enjoyable as I had complete freedom to design their AWS infrastructure from scratch. I migrated their single dedicated server to a staging/production environment on AWS's EC2. I worked closely with my client and his developers to determine the correct set-up for them and scaled it accordingly.
- Technologies: AWS, EC2, RDS, Git, Ansible, Sensu, CloudFront

Client: Steve Tuttle, CloudWorks

- I was contracted to create a continuous deployment strategy utilising AWS's Cloud Formation, EC2 and RDS alongside a Puppet master server to manage the Puppet agents. This required using Cloud Formation with a variable number of EC2 instances which would bootstrap themselves from AMIs allowing the EC2 instances to communicate with the Puppet master and automatically deploy their web app with continuous updates based on pushes to Github.
- This was a challenging but enjoyable role. Working with Linux, AWS and the DevOps stack is what I love.
- Technologies: AWS, EC2, RDS, Route53, Puppet, PostgreSQL, troposphere, cloud-config, Cloud Formation

Client: Leo Hämäläinen, Devoca

- I was contracted as a Linux sysadmin to maintain their back-end servers, used by thousands of people for their hand-held label devices.
- Duties: Up-scaling operations; troubleshooting downtime; eradicating a rootkit that they'd contracted under a previous contractor; reconfiguring and optimising both Apache and MySQL; planning for minimal downtime during migrations; master-slave MySQL mirroring; scripting backups
- Technologies: Apache Servermix, Apache HTTP, Exim mail server, Ubuntu 14.04, iptables firewall, fail2ban, MySQL, DKIM + SPF, DNS

Client: Ellison Brookes

- Deployed Docker Registry to Amazon's container service (ECS) backed by their storage service (S3).

**Freelance Software Engineer**
*July 2013 to September 2014* (1 year 2 months)
- Several large projects using Django + Python
- Full stack deployments
- Postgres and MySQL
- Bitcoin trading systems and wallet security
- Linux system administration

Client: Éric Bisceglia

- Worked with Éric and another software engineer for $\approx 6$ months
- Containerising altcoin instances to provide security in case of malicious users or hackers, ensuring uptime and redundancy for the web frontend/PostgreSQL backend on Microsoft's Azure platform

**Software Engineer, Scotweb**
*June 2011 to July 2013* (2 years 1 month)

- Linux system administration
- Twisted Python web backend development
- Full stack deployment and configuration
- Web development (HTML/CSS/jQuery)

**Village Orderly, Aberdeenshire council**
*July 2007 to September 2010* (3 years, 2 months)

**Kitchen Porter, Valentinos restaurant**
*June 2004 to June 2006* (2 years)

EDUCATION      Computer Science BSc, **Heriot-Watt University**
*September 2007 to May 2011*

OTHER
- Achieved Intermediate level Spanish at La Escuela Oficial de Idiomas in Salamana. This is an ongoing project with the aim of reaching at least level C1 (Advanced)
- Raised £1,050 for MND Scotland in a charity Skydive
- Maintain extra-curricular Github and Bitbucket profiles frequently making changes to open source code
- Always up to date with the latest technology, especially DevOps related tools such as configuration management
- Attend the Edinburgh AWS, Docker and DevOps meetups

REFERENCES     Available on request.