

MAX MATON - SOFTWARE ENGINEER / DEVOPS

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PROFESSIONAL EXPERIENCE

Contract Software Engineer at Immediate Media Co Oct 2016 - Feb 2018

- Member of a managerial team which set out to develop standards and ease deployments/infrastructure. Used infrastructure management tools such as Puppet & Heira, Terraform Packer, Vagrant, Atlas, Jenkins to deploy applications to cloud providers & extended the platform's capability.
- Worked across teams to mentor individuals in Infrastructure Architecture, Networking, Git, SQL etc. I also helped developers troubleshoot and review code, pipeline configuration, or their development environments.
- Designed and implemented new infrastructure-as-code such as ElasticSearch clusters, RDS instances, Lambda functions behind API Gateways. Kept operating systems & software patched and up to date.
- Planned and executed multiple keystone site migrations with zero downtime.
- Key member in the planning and development of TLS deployment for all sites on our PHP CMS. This required extending the Terraform-AWS provider (which at the time had no support for AWS Certificate Manager) source and suggesting upstream changes.
- Worked extensively on our continuous integration platform including release creation, live deployment kickoff, shared pipelines, and documentation.
- Deployed a monitoring solution for early warning detection of issues in our deployments. Monitoring statistics such as Servers, Load, HTTP Statistics, Response Times, Backends etc.
- Documented work and maintained legacy documentation, thoroughly code reviewed in multiple disciplines/languages. I provided knowledge and input to many executive decisions surrounding the tech stack whilst remaining impartial and constructive. Lastly, I always aimed to spread knowledge throughout my peers, junior and senior to myself.

Freelance Web Developer Jan 2012 - Oct 2016

- I partly funded my university studies by working on freelance web development projects. Mainly using WordPress / Javascript.
- I created multiple WordPress themes & plugins which reflected clients wishes. Portfolio includes artists, teachers & E-commerce sites for small businesses.
- I migrated multiple websites and domains as well as providing support to clients.
- Built scalable & secure hosting using, AWS, OVH Cloud, Proxmox OpenVZ

SKILLS

- AWS (>4 yrs) / GCP (<1yr)
- Terraform / Packer / Vagrant / Docker
- EC2 / ELB / S3 / RDS / Lambda / CloudWatch / IAM / ACM / RDS / APIGateway / ElasticSearch / Grafana / VPC / TCP-IP
- Puppet / Heira / Jenkins CI / Gitlab CI / High Availability
- OOP PHP / Bash / Python / NodeJS / Groovy / Golang / Automation / Git & SCM
- SQL / NoSQL / Object Storage (Redis / Memcache)
- NGINX / Fastly / LetsEncrypt / Cloudflare
- *NIX (>7 yrs)
- GCP ML Engine / Storage / Compute / BigQuery
- Tensorflow & Keras
- LSTM & RNN predictive Neural Networks / Jupyter Notebooks / GCP & AWS ML tooling
- Studying Linear Algebra & Matrices
- Codius Smart Contracts
- Interledger Protocol

Consultant at Open Reply UK Jun 2014 - Jun 2015

- Specifying in responsive, content rich, and interactive web applications including backend functionality.
- Other roles included: AWS *NIX server admin, bash scripting and automation, troubleshooting and networking, database architecture, and the releases of numerous websites (eg. Monsoon, Body Shop, British Tobacco).
- Drafted and implemented pipeline-as-code with Bamboo CI to test and deploy to immutable staging environments.
- I worked with Open Reply for one year as part of my year in industry at Birmingham City University.

Applications Support Analysis Summer Intern at BP July 2013 - September 2013

- During my first Summer at University I shadowed EMEA Service Owner, James Harvey for 3 months. I was given the great opportunity to work with and follow many teams in their daily operations. I learned the fundamentals of Enterprise businesses and disaster recovery, as well as the importance of procedures and professionalism.
- I picked up Microsoft Sharepoint development to modify the front-end of BP's internal documentation portal to be mobile friendly using Bootstrap

EDUCATION

Birmingham City University BSc Information Systems / Computer Networking September 2012 - June 2016

- Achieved a high 2:1
- 'Inspirational Graduate of the Year 2016' Issued by Vice Chancellor for my dissertation - IntelliGrow.
- Professors Award (Birmingham City University) - Sponsored by Gartner

OTHER

- English: Native
- Dutch: Fluent
- German: Working Proficiency

- **Hydroponics automation & seeking a solution for freshwater security**
- Embedded electronics using **ATTINY / Raspberry Pi / ESP8266**
- Bowling / Rock Climbing
- Passionate traveller

Academic, Employer and Personal references available upon request. The latest version of this CV is available at www.mmaton.com/cv