# Experience

## Synalogik Lead DevOps Cloud Engineer

* Solely responsible for cloud infrastructure.
* Integrate SSO across all services and applications.
* Integrate and administrate Addigy for mobile device management.
* Automate deployments of microservice docker containers to docker swarm cluster.
* Provision ArangoDB cluster and automate deployments.
* Integrate Amazon Cloudwatch alarms and logs with Slack.
* Conform to security best practices in prep for penetration tests.
* Enforce use of Github flow for branching and release strategy.
* Utilise Jenkins for continuous delivery.
* Utilise AWS Systems Manager to replace bastion hosts and save costs.
* Utilise AWS SSM for scheduled maintenance tasks.
* Reduce AWS costs by moving hosted third-party services to cloud hosted by providers.

## Jaguar Land Rover Lead DevOps Cloud Engineer

* Work remotely and liaise with various teams in various countries/time zones.
* Lead the UK team and be a part of the recruitment process to expand the team.
* Recommend and implement solutions for existing issues.
* Provision EKK stack for a centralised logging solution.
* Monitor, maintain and support Gitlab on premise infrastructure.
* Automate and migrate existing infrastructure.
* In process for implementing and integrating SAML single-sign on.
* Setup site to site VPN tunnels.
* Improve on existing infrastructure whilst adhering to best practices.
* Pipeline as code using Gitlab CI definitions.
* Migrate existing legacy infrastructure into a fully automated deployment solution.
* Debug various issues and bottlenecks with builds.
* Knowledge transfer and training for AWS and automation via Terraform, Packer and Ansible.

## Cognito IQ DevOps Cloud Engineer

* Infrastructure as Code using Terraform.
* Reduce AWS costs by 40% through automated scaling of RDS instances and shutting down environments during out of hours.
* Testing Terraform code using AWSPEC and Terraform Kitchen.
* Utilise Consul & Terragrunt for remote locking Terraform state files.
* Create pipelines for testing and deploying Terraform changes.
* Adhere to best practices and refactor accordingly.
* Automate AWS infrastructure using Terraform and Ansible.
* Refactoring all the build pipelines to adhere to CI principles.
* Integrating Docker within Jenkins Artifactory.
* Adding Docker to existing pipelines.
* Design and support customer release workflows.
* Provision Docker Selenium grid cluster for Chrome and Firefox browsers.
* Migrate all Jenkins builds from various servers to a single centralised server.
* Implement Jenkins best practices and automate the environments.
* Migrate from office based servers to AWS infrastructure.
* Setup continuous delivery pipelines and utilise plugins for deployments to AWS environments.
* Lock down the use of Jenkins based on user groups.
* Integrate Jenkins with Artifactory and SonarQube.
* Deprecate use of snapshot versions to ensure every developer commit is a potential release.
* Pilot the use of various commercial Jenkins integrated plugins.
* Construct the system for release management.
* Construct the product stack pipeline mechanism.
* Introduce a promotion approval system for the various pipeline stages.
* Provide Ad-Hoc support to all development teams.
* Create templates of common job types and parametrise them.
* Create complex security matrices to ensure access to Jenkins areas are restricted.
* Setup and integrate JFrog’s Artifactory server for continuous deployments of Artiefacts.
* Setup and integrate SonarQube to measure code quality over time.
* Create Sonar quality gates and enforce policies.
* Provide training for Jenkins and key Continuous Delivery concepts.
* Create CI Pipelines for the various Ansible Scripts.

## NewVoiceMedia DevOps Build & Release Engineer

* Utilised Opscode Chef Configuration management tool for managing configuration and infrastructure changes.
* Implemented continuous delivery workflow for Chef Configuration changes.
* Created Jenkins Build Slaves from scratch that are under configuration management of OpsCode Chef.
* Prepared and implemented migration of existing CruiseControl.Net projects onto Jenkins.
* Created Chef Cookbooks, environments, roles, data bags to support the Jenkins Build Environment.
* Created Test Kitchen tests for Chef cookbooks.
* Setup the provisioning of Jenkins Slaves using on-demand AWS EC2 Slaves.
* Made use of Packer to create the Jenkins Build Slave Base Image.
* Automated the provisioning of Jenkins Build slaves and bootstrapping them to the Chef Server.
* Created Jenkins CI jobs for all Chef Cookbooks and have versions managed through promotions.
* Created and maintained PowerShell scripts for supporting the Jenkins build environment.
* Creating and maintaining Atlassian Confluence documentation.
* Experience diagnosing network issues using Wireshark.
* Created and maintained MSbuild Projects for compiling, testing and packaging .NET Applications.
* Utilised AWS CLI Tools to manage AWS Cloud Infrastructure.

## Hewlett Packard Enterprise Services

**May 2012 – July 2014 Service Information Developer ll**

* Agile methodology for development and testing.
* Test Driven Development with mocks and unit tests.
* Liaise with various projects and software developers to establish build and release requirement.
* Configuration Management via IBM’s ClearCase and Dimensions.
* Establish component dependencies based on the variant and branch.
* C++ Test Driven Development using Google Mock and Google Test.
* Review C++ code and ensure they follow HP’s strict C++ coding standards.
* Identify and raise defects in the software or components.
* Use Red Hat Enterprise Linux distribution to build and deliver target software and components.
* Install all components using Red Hat Package Manager and ensure the right baselines are delivered.
* Prioritise builds based on delivery and target release dates for prototypes and engineering releases.
* Access application and component’s source using IBM’s ClearCase for source control by configuring the configuration specification files to point to the primary integration branches or labels.
* Manage and update all documentation including Internal Release Notes (IRNs) and build instructions using IBM’s ClearQuest.
* Creating RPM Specs and packaging RPMs (Red hat Package Manager).
* BASH, KSH, PERL and Python scripting to improve build quality and accuracy in detecting build errors and any other issues during compilation.
* Report back to projects with the generate build logs including any build errors whilst attempting to diagnose the root of issue through using target VMs with snapshot control.
* Continuous integration and testing builds through Jenkins and cronjobs.
* Manage Jenkins to perform nightly builds based on latest integration releases.
* Manage build and target VMware Linux VMs to build the application and the necessary components as well as test the final installation on a suitable target VM.
* Install target build on supported target platforms used by the end users and perform regression tests.
* Create partition images of final target build and create installer discs for main application configured based on the variant and type of platform.

**May 2011 – May 2012 Technical Project Support Analyst**

* Support project for E-Business Suite upgrade along with supported tools and data migration.
* Establish requirements for software and data migration from all projects involved.
* Conduct risk assessment on compatibility and change in software versions.

**May 2010 – May 2011 Oracle Support Engineer**

* Respond, investigate & resolve reported Oracle E-Business Suite problems through Vantive within account service level timescales.
* Liaise with Oracle Corporation as required to resolve issues through 'My Oracle Support'.
* Assign raised tickets using the Vantive system and prioritise them based on assigned severity and risk impact.
* Impact assess Oracle patch's against live functionality.

# Education

## Degree of Masters of Science - University of Sussex

First Class with ***DISTINCTION*** for the 'Information Technology for E-Commece' programme.

## Degree of Bachelor of Science - University of Brighton

Degree obtained with Second Class Honours (Upper Division) ***[2:1]*** in 'Digital Media Development'.

## Diploma of Higher Education - University of Brighton

Diploma obtained In 'Computer Studies'.

# *Skills*

**Cloud Providers**  *Amazon Web Services (AWS)*

**Scripting**  *Bourne Again Shell (BASH)*, *PowerShell, Batch and* *PYTHON*

**Source Control Management**  *IBM Clearcase 7*, *Clearquest, Mercurial, Subversion, GIT,* *Serena Dimensions & Github, Gitlab*

**Infrastructure as Code**  *Cloudformations, Hashicorp Terraform, Chef Provisioning*

**Configuration Management**  *Chef, Puppet & Ansible*

**Testing**  *Continuous Integration Testing Jenkins*, *Unit Testing,* *NUnit, Pickles, Cucumber, Specflow, RSpec*

**Build Tools** *Maven, MSBuild, ANT, Rake, MAKE, RPMs & YUM*

**Continuous Integration & Delivery** Gitlab CI, *Jenkins, CruiseControl.net & Travis.ci*

**Social Communication Tools**  Slack, *Hipchat, Lync, Skype, Appear.in* & *Google Hangouts*

**Issue Trackers**  *Jira, Vantive & Pivotal*

**Other** *Usability Evauation* and *User Centred Design Techniques*, *E-Learning*, *Data Processing*

**Operating Systems** *Unix*, *Linux (Ubantu, CentOS, Debian, Amzon Linux & RHEL5), Windows (NT, XP, Vista, 7, 8.1, 2003, 2008, 2012, 2012R2 Server)*& *MAC OS X (Leopard, Snow Leopard, Lion, Mountain Lion)*; exposure through daily personal and work use throughout the years.

# Professional Training Courses and Achievements

* Jenkins Certified Engineer [Sep 2016]
* AWS Certified SysOps, Solutions Architect & Developer – Associate [Jan 2019]
* AWS Certified Solutions Architect – Professional [Oct 2018]
* AWS Certified DevOps Engineer – Professional [Jan 2019]
* AWS Certified Security – Speciality [Oct 2018]
* Basic Chef Fluency Badge [Nov 2016]
* Certificate of completion for chef fundamentals course
* Agile Development and Simulation Essentials [30 Apr – 1 May 2012]
* C++ for non C Programmers [28 May – 1 June 2012]
* HP eAWARD for taking on additional responsibilities and working extra hours above and beyond those expected of a junior member of staff; and for continuing to show leadership excellence in my capacity on the refresh project [03 May 2012]
* Graduated from HP’s Enterprise Services UK graduate scheme – Certificate Obtained [16 Jan 2012]
* HP eAWARD for providing in-depth analysis of tools for the project and creating high quality design documents for knowledge transfer and learning materials with minimal PM input and mentoring [08 Jan 2011]
* SPVA Oracle Applications Support Analyst – Coursework and exam passed with Merit – Certificate Obtained [5 July 2010]
* Completed Introduction to collections and collections techniques and live collections training with Lloyds TSB Bank – Certificate Obtained [1 July - 30 Sep 2006]

# Key Knowledge and Qualities

* Strong understanding in configuration management, continuous delivery and infrastructure as code concepts.
* Experience and knowledge in Agile methodologies and environments.
* Experience in project planning and supporting a major application upgrade project.
* Experience of SQL and relational database design in an e-commerce environment.
* Able to write clear documentation for a range of target audiences.
* Ability to work under pressure with set deadlines.
* Experience and ability to work in teams from previous work positions.
* I have excellent communication skills achieved from my previous jobs where I was responsible for communicating and assisting clients both in person and over the phone.
* Ability to negotiate with clients in order to achieve best possible deals and arrangements.
* Ability and willingness to learn new technologies and concepts in a short period of time.