**Chandrasekaran Natarajan +44(0) 740 397 5245 DevOps & Cloud Engineer** [**cnatarajan1120@gmail.com**](mailto:cnatarajan1120@gmail.com)

# PROFESSIONAL SNAPSHOT

* **Certified DevOps Professional** with 14+ years IT experience in software development, DevOps, Automation and Infrastructure Build and Configuration management, having good Technical & communication skills and capable of providing efficient solution, guidance and implementing the same
* Extensive experience in DevOps –**Docker, Container, Terraform, Ansible, DockerSwarm, Kubernetes, Openshift, CI/CD, Jenkins, Jenkins DSL Pipelines, Groovy, AWS – EC2, ECS, ELB, Redshift, S3, Glacier, VPC, Route53, RDS, Lambda, CloudFormation, Kinesis, SOS Auto Scaling, API Manager, Consul, Zookeeper, Vagrant, Google Cloud(GCP), Nexus, Jira, Confluence, Test autom ation environment build, selenium docker images, mobile automation - Appium/Mobile Farm for Android/IOS deployment.**
* Solid development and support experience in **Oracle 10g/11g/12c, SQL, PLSQL, MySQL, Java, Python, Flask, MongoDB, PostgreSQL, Redis, Selenium automation FW and browser docker images, Unix, Linux Shell scripting, Maven, VMWare, Clearcase, GITHub, GitLab, SVN.**
* Working in Agile methodology (Kanban) with continuous delivery, continuous integration pipelines using GIT, Jenkins and testing automation framework across various platforms to achieve the E2E integration
* Expertise in software lifecycle in both Waterfall and Agile methodologies (requirement gathering, analysis, project planning, scheduling, system design, impact analysis, code development, code review, Testing, solution demonstration to stakeholders and post-production support)
* Having good leadership, negotiating & communication skills and capable of providing authoritative guidance and advice to both in house and external test teams
* Proficient in risk analysis, mitigation, planning the infra and configuration, release management, prioritizing the task based on the business needs, Proficient in BDD, TDD – functional and non-functional testing.
* Have worked for most of the UK, CE (CZ Republic, Slovakia, Poland, Hungary), South Korea, Turkey and UAE clients as Consultant and involved in custom build, conversion, cloud migration and SysOps implementation and guiding the business team to complete the UAT testing with good quality.
* Expert in cloud infrastructure setup and configuration for in-house Test Labs with PAAS, Openshift image. yaml deployment for pods, mobile farm, appium docker images with local customization with Nexus, Harbor repositories, Kafka and Kibana integration for reports

# PROFESSIONAL SUMMARY

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| **Period** | **Organization (Role)** | **Client (Role)** |
| Nov 2017 – till date | **Santander Bank** | Santander Bank  Senior DevOps Consultant |
| Jul 2015 – Nov 2017 | **Accenture** | Argos  Senior consultant |
| Jul 2014 – Jul 2015 | **Accenture** | Chalhoub Groups  Software Engineering - Senior Consultant |
| Mar 2007 – Jun 2014 | **Tesco** | Tesco  Senior SW Engineer |
| May 2005 - Feb 2007 | **Estuate Inc** | Software Engineer |

**EDUCATIONAL CREDENTIALS**

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| 2010 | MPhil Computer Science – Artificial Intelligence |
| 2009 | MBA (Systems) |
| 2002 | MSc (Applied Sciences – Computer Technology) |
| 2000 | BSc (Computer Science) |

**CERTIFICATION**

1. **Google Cloud Certified - Professional Cloud Architect**
2. **AWS Certified DevOps Engineer – Professional**
3. **Oracle Developer Professional**

**PERSONAL DATA**

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| MAIL ID | cnatarajan1120@gmail.com |
| MOBILE NUMBER | **+44(0) 740 397 5245** |
| ADDRESS | 52 Link Lane, Wallington, SM6 9DZ |
| VISA STATUS | **Tier 2 Dependent** |

# PROFESSIONAL HISTORY

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| PROJECT | **TAAS – Santander - Digital Transformation** |
| PERIOD | Nov 2017 to till date |
| CONTRIBUTION | * Configured VPC, EC2, RDS, ELB, Route53, IAM Services ,Subnets, Security groups, Serverless AWS Lambda, Fargate, Kinesis, ECS, EKS, CodeDeploy, API Manager services in AWS. * Design and deployed microservices in cloud, deployed the high available mortgage serverless framework using AWS Lambda function and Faregate. * Provided highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup. * Developing and deploying the CI/CD, Jenkins DSL pipeline in groovy for QA services - test automation and mobile Appium automation testing * Automated sending data/metrics to Kibana using Kafka utility. * Migrating the openbanking applications to hybrid cloud * Designed different subnets and created roles with customized policies. * Configured Docker Swarm cluster to host Performance tool Jmeter. * Created Network and Host based load balancers in AWS. * Configured Ansible to manage AWS environments and automate the build process for core AMIs used by all application deployments including Auto-scaling and Cloud formation scripts. * Configured code deploy in AWS and developed CI/CD pipelines. * Designed different subnets and created roles with customized policies. * Integrated internal firewall with AWS marketplace service. * Integrated Internal LDAP with AWS ADFS. * Developed flask API’s using Python 2 & 3. * Configured Docker Swarm cluster to host Performance tool Jmeter. * Created code promotion Jenkins CI/CD pipelines for different projects. * Written Ansible playbooks and puppet manifests, Modules deploy/maintain different applications in OpenShit like git, Confluence, Nexus. * Provisioned AWS Infrastructure using Terraform templates. * Installed RunDeck and configured & scheduled Anisble jobs for daily maintenance also for easy use. * Handled maintenance/upgrade of different applications like JIRA, Confluence ,Nexus ,SonarQube. * Deployed Android emulator, MongoDB and Postgres database in Openshift and integrated with python API. * mplemented docker, Jenkins master and Jenkins slave module using puppet. * Created new profiles and roles in puppet configuration * Configured Swarmpit for Docker swarm cluster maintenance and monitoring. * Configured APM agent’s in all Linux virtual machines using amiable to monitor different Sever metric’s. * Implementing a Continuous Delivery framework using Jenkins, Maven, and Nexus in Linux environment. * Making the applications containerized using docker files. * Installed/Configured and Managed Nexus Repository Manager and all the Repositories. * Created various branches for each requirement and Merged from development to release branch, created tags for releases using GIT. * Integrated JIRA with SVN and created automated release Notes using Perl Scripts; used JIRA to track issues * Written several cookbooks which include recipes to perform Installation and Configuration Tasks * Involved in JDK, tomcat, WebLogic binaries installation and domain creations. * Deploy and monitor scalable infrastructure on Amazon web services (AWS)configuration management * Deployed web applications into different application servers using Jenkins. * Generated reports on different bugs & tickets using JIRA/ Bug tracking; created & solved blocked/unassigned tickets * Built & Deployed Java/J2EE to web application server in Agile continuous integration environment and automated * Created and maintained the Shell/Perl deployment scripts for Web Logic web application servers. |

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| PROJECT | **Digital Transformation and Retail Implementation – Argos** |
| PERIOD | Jul 2015 Nov 2017 |
| CONTRIBUTION | * Digital transformation using Google Cloud(GCP) and AWS infrastructure to move legacy systems * Creating fully automated CI build and deployment infrastructure and processes for multiple projects and setting up and introducing Continuous Deployment processes in pre-production and production environment. * Evaluating and advising on virtualization and containerization solutions and environment provisioning solutions using Docker and Kubernetes. Developing Docker images to support development and testing teams and their pipelines. * Configured Ansible to manage AWS environments and automate the build process for core AMIs used by all application deployments including Auto-scaling and Cloudformation scripts. * Handle Linux server administration and manage VMware infrastructure clusters on production test/development environments. * Automate scaling up and down the AWS resources based on traffic demand and process of distributing incoming traffic evenly across projects deployed * Excellent experience with enterprise automation and orchestration using Terraform and created custom VPC, public and private subnet and security groups. * Create Read Replicas for RDS databases in different region expecting disaster; install and configure PostgreSQL on AWS console and manage database, users, and accept external connection. * Manage database on web browser and set up replication on Master and Slave servers and Load balancing by installing and configuring PgAdmin on PostgreSQL. * Implementing monitoring and reporting solutions across a range of environments and platforms. User accounts for the development team with access to core AWS services and Proper traffic routing into and out of AWS VPC. * Created new profiles and roles in puppet configuration * Configured APM agent’s in all Linux virtual machines using amiable to monitor different Sever metric’s. * Integrated usage of different automation results in Kibana. * Automated sending data/metrics to Kibana using Kafka utility. * Implementing a Continuous Delivery framework using Jenkins, Maven, and Nexus in Linux environment. * Making the applications containerized using docker files. * Installed/Configured and Managed Nexus Repository Manager and all the Repositories. * Created various branches for each requirement and Merged from development to release branch, created tags for releases using GIT. * Written several cookbooks which include recipes to perform Installation and Configuration Tasks * Involved in JDK, tomcat, WebLogic binaries installation and domain creations. * Deploy and monitor scalable infrastructure on Amazon web services (AWS)configuration management * Built & Deployed Java/J2EE to web application server in Agile continuous integration environment and automated * Created and maintained the Shell/Perl deployment scripts for Web Logic web application servers. * Custom Development for RMS in Oracle PLSQL, Java, Oracle Fusion Middleware * Integration design lead for AIP, RMS and RIB systems * Micro services Develop and deploy for end user operations support |

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| PROJECT | **Digital Migration & Automation – Accenture/Chalhoub Groups** |
| PERIOD | Jul 2014 to Jul 2015 |

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| PROJECT | **Retail transformation & Operating Model for CE – CZ, Poland, Slovakia, Hungary and Turkey - Tesco** |
| PERIOD | Mar 2012 – Jun 2014 |

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| PROJECT | **Digital Infrastructure Migration – South Korea – HomePlus** |
| PERIOD | Jul 2010 – Feb 2012 |

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| PROJECT | **NBS Rollout - UK & ROI - Tesco** |
| PERIOD | Mar 2007 – Jun 2010 |

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| PROJECT | **ERP with workflow reports – Estuate Inc** |
| PERIOD | May 2005 – Feb 2007 |