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**GEETA NEELKANTHAM**

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**Devops Engineer , Build and Configuration Manager**

Detailed technical knowledge and hands-on experience of DevOps, Automation, Build Engineering and Configuration Management

Extensive experience in the design and implementation of fully automated Continuous Integration, Continuous Delivery, Continuous Deployment pipelines and DevOps processes for Agile projects across the Financial, Telecom and Retail Sectors.

Experience working in Amazon cloud solutions and architectures (EC2, S3, RDS & Cloud watch). DevOps is exciting because we are always working with and integrating new technologies and solving new challenges.  Essentially job is to find a happy balance between operations and developers. I personally like to think of IT as three separate phases that all contribute to the ultimate success of the enterprise tech ecosystem; packaging, automation, and scaling.

Over 15 years IT experience encompassing Java programming, UNIX/Linux Admin experience, and a Middleware/Application Server Specialist. (RHEL and allied distribution).

**Key skills and experience**

**Languages:** Java, Shell scripting, Ant, Maven, basic C/C++, Perl and Python  
**Version Control Systems**: Subversion, Git, Rational Team, Clear Case  
**Automation/Build Tools**: Jenkins, Docker, Chef, Puppet, Ansible, TeamCity, Bamboo  
**Testing tools**: FitNesse, Selenium, Cucumber, WebDriver, Junit,   
**App & Web Servers**: WebLogic, WebSphere, Tomcat, Jboss, Apache, Atlassian JIRA & Bamboo

**Databases**: Oracle, MySQL, PostgreSQL (Enterprise service bus)  
**Virtualisation**: VM Ware, KVM, Docker, Amazon AWS/EC2, Xen, Satellite, OpenShift, Azure  
**Platforms**: Red Hat Linux and UNIX, iOS, Android, Solaris, Windows  
**Network/Infrastructure**: TCP/IP, DNS, DHCP, LDAP, AD

**Agile certification** Agile basic and advance level certified

**Career Profile**

**BMW**



**Role – Build and Devops Specialist (June 2018- till date)**

* + - * Build Tools: Maven, Ant Jenkins, Docker
      * Deployment and configuration management: Urban Code, Chef
      * Coverage tools: Code Station, SonarQube
    - Programming Language: Ruby, Shell scripting, Jenkins DSL, JavaScript
    - Applications and Webservers: Apache, Tomcat, JBoss, Weblogic WebSphere
    - Virtualisation: VM Ware, KVM, Amazon AWS/EC2, Xen, OpenShift
* Databases: Oracle, MySQL, PostgreSQL Platforms: UNIX, Red Hat Linux
* This role involves managing customers on-premise server environments together with all the software build, test and deployment tools to enable

continuous integration and continuous deployment of software

application code. Typically, this is a Tech specialist or Tech Architect if that

helps

**HMRC**

**South end on sea**

**Role – Devops Specialist (September 2017-May 2018)**

* Environment: Docker, Jenkins, VMware, RHEL,Openshift,Ansible & GitHub, Amazon webservices.
* Designed pipelines to perform CI/CD automation across multiple Open Shift Container Platform clusters simultaneously, running on multiple production and non-production nodes.
* Template-based project provisioning using s2i images and project configuration including routing, blue green deployments, pod autoscaling, and both project exports and migration in Open Shift Container Platform v3.6 to v3.11.
* Configured both the OpenShift CLI and Jenkins pipelines fully utilizing RedHat’s Groovy-based Open Shift Container Platform Client Plugin.
* Provisioning tools like Ansible, Puppet, Chef.
* Experience providing support in hosting of Drupal, WordPress or Content Management System (CMS) applications.
* Experience performing Amazon Web Services (AWS) Cloud Administration managing Elastic Compute Cloud (EC2) instances, Simple Storage Service (S3), Elastic Block Store (EBS), Simple Email Service (SES) and Simple Notification Services (SNS).
* Configuring, deploying and supporting Cloud based solutions
* Developing and improving monitoring and infrastructure automation
* Participate in the creation and maintenance of the systems that build, configure, deploy, and test our applications
* Technical design, development, release and deployment of AWS infrastructure and VTW applications, using CICD
* Participate in the creation and maintenance of the systems that build, configure, deploy, and test our applications
* Work with the Support team to troubleshoot, diagnose and rectify system service issues
* Providing 2nd/3rd level support for Cloud and DC hosted solutions

**Lloyds Banking Group**

London, GB

 March 2016 to June 2017

Role: **DevOps Engineer**  
 Environment: Docker, Jenkins, VMWare, RHEL, Satellite, OpenShift, Ansible &GitHub,Amazonwebservices

* Successfully managed day-to-day computer and technical operations and staff functions for 4 branch locations and the wealth management division. Directly responsible for all core banking system applications and for the leadership and direction of a managed services staff of 8 supporting non-core systems. Accountable for the administration and management of a $450K annual budget, establishing and maintaining technical infrastructure, networks, systems, and processes. Worked directly with higher management to create value, drive ROI, increase profitability, and reduce costs. Created a consistent and secured way to remotely manage banks on premise and cloud workloads from one location using the same tools or scripts.
* Used the centralised access control mechanism for actions that can be performed on the servers and VMs
* Tracked and analysed the actions performed within the AWS Cloud Trail.
* Service execution success was notified though the Cloud Watch Events and Amazon Simple Notification Service.
* Worked on Amazon S3 to store and retrieve data from the web
* Hosted website on Linux virtual servers,
* Worked on Amazon RDS to set up, operate and scale a relational database in the cloud
* Installed and Configured the AWS CLI
* Worked to Amazon cloud watch metrics to understand the peak time volumes and performance. Published the custom metrics time to time for reporting purposes
* Created fully automated CI build and deployment infrastructure and processes for multiple projects
* Working closely with Architecture, Development, Test, Security and IT Services teams
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash
* Installing, configuring and maintaining Continuous Integration, Automation and Configuration Management tools

**Nationwide Building Society**

Swindon, GB

 September 2015 to March 2016  
 Role: **DevOps Engineer**  
 Environment: Jenkins, Atlassian Stash, Docker, Red Hat Satellite, Java, JSON, API, AWS and Azure

* Managed a 15-member team and 10 consultants to complete outsourced projects from numerous locations successfully
* Executed quick technical feasibility and proposal development for moving identified workloads to Azure IaaS and PaaS, both short and long term.
* Building a technical and security architecture in Azure for the selected apps/workloads with a priority on advanced workloads
* Selected a migration approach to lift and shift the workloads to Azure or architecting a production platform for upcoming new generation banking applications.
* Executed limited POCs, as necessary
* Implementing and developing solutions enabling Development and Operations teams to build, deploy, monitor and test applications and environments
* Implementing monitoring and reporting solutions across a range of environments and platforms
* Evaluating and advising on virtualization and containerization solutions.
* Environment provisioning solutions using Docker, Red Hat Satellite.
* Setting up and introducing Continuous Deployment processes and advising on best practice

**Orion Astellas Pharma**

Chertsey, UK

December 2014 to July 2015

Role: **Build Automation and Configuration Manager**

Environment: Jenkins, Subversion, Continuous Integration, Agile, Maven, Ant, Java, Solaris, RHEL Linux, VM Ware

* Introducing and implementing Continuous Integration principles and practises for the Billing Development Team using Jenkins, Subversion, VMWare, Clear Quest, JUnit, FitNesse, Atlassian JIRA
* Developing automated process for builds and deployments; Jenkins, Ant, Maven, Shell Script, Perl, Java
* Creating and managing Development and Continuous Integration Environments using VMWare, automated through Jenkins using PXE boot, Perl and the VM Ware CLI, also involved in several projects setting up builds using, Puppet and Chef
* System and User Administration – responsible for the maintenance of DHCP, DNS, LDAP, AD and NFS services on Windows and Red Hat Enterprise Linux in Development environments
* Automating the installation, deployment and maintenance of Middleware Application Servers to RHEL Development and Test Environments on VMWare &KVM.
* Creating bespoke tools to support and enable Continuous Integration, Continuous Deployment and system monitoring/reporting; using JSP and Shell Scripts with a MySQL database, harvesting data from various sources and API’s (Spark, Remedy, Clear Quest etc) to provide consolidated and automated live reports
* Developed systems to enable baselining and tracking of different types of Reference Data; automated the creation and labelling and adding to version control, then set up push-button deployments from Subversion to Oracle Databases via Jenkins , with full auditing and user authentication and authorisation provided by the corporate LDAP server.

**HSBC**   
 Leeds, UK



September 2014 to December 2014  
Role: **Build Manager and Automation Consultant**

Environment: Ant, Maven, VM Ware, IBM Rational Team Concert, Oracle, Jenkins, WebSphere

* Designing, implementing and supporting fully automated Continuous Integration and Continuous Delivery processes
* Working with and supporting multiple World-wide development teams delivering a wide range of software applications
* Automating the build, deployment and testing of Front End, Middleware and Database components
* Developing custom reporting tools, setting up automated health monitoring and alerting for builds and environments
* Supporting and managing IBM Rational tools – Jazz, RTC, Build Forge

**Vodaphone UK**

Maidenhead,UK

June 2014 to September 2014

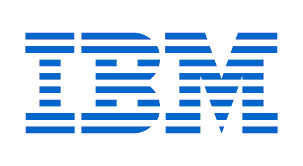
Role : Build and Automation Engineer

Environment: Linux, VM Ware, Hudson, Subversion, WebSphere Portal Server, Process Server and MQ

* automating code builds, server deployments and fully automated testing for WebSphere Portal and Process Server Teams
* automating the deployment of MQ Queue Managers, MQ Infrastructure and ESB code
* providing automatic alerting and reporting on code quality and code coverage ( JUnit, WebDriver, FitNesse etc) using Hudson

**IBM LTD**

London , Melbourne , Bangalore



June 2011 – Jan 2014  
Role & Project: **Integration Build Manager**  
Designing, creating and managing Continuous Integration Environments

Environment: Linux, Solaris, Hudson, Subversion, WebSphere Portal and Process Server, SOA, Agile

* Creating a fully Automated Build and Deployment Platform and coordinating code builds, promotions and orchestrated deployments using Hudson and Subversion
* Automating the management and creation of Application Servers, resources and database deployments
* Developing Ant, Maven and Shell scripts to automatically compile, package, deploy and test J2EE applications to a variety of WebSphere platforms – BPM, MQ, ESB, Portal etc
* Writing Ant, Shell, JACL scripts to automatically configure integration and test environments, including deploying WAR and EAR files, stopping and starting Application Servers and processes and dynamically creating server profiles/instances and defining resources (MQ connections etc) as and when required
* Administration and creation of Hudson jobs, including automatic generation, reporting and alerting of test and code metrics (JUnit, FitNesse, etc), build failures and build status indicators, and information radiators
* Working closely with offshore colleagues and providing support and advice on best practices for SCM and build automation

**RED HAT SOFTWARE SERVICES**

Brisbane ,Pune



Decmember 2009- June 2011

Role & Project: Middleware Specialist

Linux and HP-UX, WebLogic Application Server, Jboss Apache, Tomcat, Veritas, Clustering and Shell Scripting

• Automating the creation of Jboss Application servers instances, providing processes to automate configuration/restoration and backups  
• Automating compilation, testing and archiving of builds and code changes  
• Using Korn shell, Perl and CVS (Harvest) Version Control to automate deployment of J2EE applications to Mid-Tier platforms.  
• Porting build processes, build platforms and servers from Solaris over to Red Hat Linux, updating and enhancing existing build and deployment scripts to increase automation and efficiency and reduce errors.  
• Working with Senior Service and Business managers, and colleagues based throughout Australia and offshore  
• Designing and implementing new features such as Application Server clustering, Jboss load-balancing and O/S level performance monitoring, tuning and reporting  
• Automating Performance monitoring and alerting, and tuning the J2EE Mid-Tier code base and platform using HP’s JMeter.  
• Developing and coordinating modifications to the internal and external interfaces, NFS shares, SAMBA mounts and transport protocols. Creating the test plan for the call time data insertion logic and upgrade the jboss operation network from 2.1 to 2. 4functionalities.To check and review the test case documents. To analyse the requirement of the product across the platforms namely fedora, AIX, HP-Ux,Solaris and Microsoft windows server 2003.Kept track of new requirements raised by existing and prospective customers of Jboss. Arranging for the hardware and software set up for the compatibility testing of the product and raising and the tickets for the same.

Tested Jboss operation network for EAP, EWP and SOA architectures .Configured and tested jboss across the oracle 9i and 10g databases. Configured LDAP user authentication for Jboss operation network. Associating LDAP user groups to Roles in jboss

**GLOBALLOGIC INDIA PVT .LTD.**

**Pune India**



[**Software Configuration Manager and Build Automation Consultant**](https://www.linkedin.com/title/software-configuration-manager-and-build-automation-consultant?trk=mprofile_title)

Responsible for defining, designing, and implementing SCM processes and solutions for a Rabo Bank  
Implementing fully automated and distributed environment builds and deployments .  
Providing Version Control with Subversion and Automated Build & Deployments with Hudson  
Environment: Windows and Linux VM’s on Xen, Hudson, Subversion, Tibco, WebSphere, WebLogic  
  
• Working with Enterprise Architects, Project Managers, Vendors, Developers and Deployment Managers to define and implement a Software Configuration Management solution for |Rabo Bank  
• Leading a small team of Deployment and Build Engineers  
• Automating the deployment and build of Application Servers across multiple environments, technologies and platforms  
• Installation of WebSphere and WebLogic environments, including MDM Server, IBM InfoSphere.  
• Designing and creating a resilient SCM Infrastructure from scratch – Subversion and Hudson integrated with Active Directory/LDAP, and orchestrating SCCM and Satellite deployments and host builds to serve every part of the Bank.

**Infospectrum PVT LTD**



[**Integration**](https://www.linkedin.com/title/integration-build-manager?trk=mprofile_title)[**Build Manager**](https://www.linkedin.com/title/integration-build-manager?trk=mprofile_title)

Designing, creating and managing Continuous Integration Environments  
  
Linux, Solaris, Hudson, Subversion, WebSphere Portal and Process Server, SOA, Agile  
  
• Creating a fully Automated Build and Deployment Platform and coordinating code builds, promotions and orchestrated deployments using Hudson and Subversion  
• Automating the management and creation of Application Servers, resources and database deployments  
• Developing Ant, Maven and Shell scripts to automatically compile, package, deploy and test J2EE applications to a variety of WebSphere platforms – BPM, MQ, ESB, Portal etc  
• Writing Ant, Shell, JACL scripts to automatically configure integration and test environments, including deploying and un-deploying WAR and EAR files, stopping and starting Application Servers and processes and dynamically creating server profiles/instances and resources (MQ etc) as and when required  
• Administration and creation of Hudson jobs, including automatic generation, reporting and alerting of test and code metrics (JUnit, FitNesse), build failures and build status indicators, and information radiators.

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