

Vimal Kumar

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Nationality: British

AWS Solution Architect/ DevOps Engineer / Cloud Engineer

Cloud Solution and DevOps Engineer with 15+ years of experience in infrastructure, management, design & deploy, Cloud infrastructure such as DevOps, IAAS, PAAS and SAAS. Deep experience with AWS and Azure components such as EC2, S3, Elastic IPs, EBS, Security Groups, SSL, Route 53, VPC, Elastic Cache, Lambda, Elastic Beanstalk, RDS, Dynamo DB, Terraform, Jenkins, Ansible, Cloud Formation, Docker/Kubernetes and DevOps.

Skills & Capabilities

OS and Networking: Linux, office 365, Windows server 2003/2008 R2/ window 2012 R2/2016. windows XP/ Vista/ windows 7/8/10, Windows Exchange 2003, 2007, Windows SQL 2005/ 2013, Office 2010/13, Visio 2010, MS Project 2010, Citrix CAG, VDI, Cisco PIX, DNS, TCP/IP, DHCP.

Programming Languages: Python, HTML5, CSS3, .Net, PHP, Java Script, JAVA, MySQL, MS SQL, MS Access, FTP, SEO, CMS, CEO, PPC, Json, PowerShell, bash, python and SAP.

Amazon Web Service and AZURE skills: EC2, VPC, RDS, S3, Direct Connect, CloudFront, Cloud Watch, Cloud Trail, VM, Azure AD, NAT, SNS, SQS, Route 53 and Cloud Formation.

Software lifecycle management skills: Agile, Jira, Confluence, Prince2.

Database skills: Kinesis, Dynamo DB, RDS, Microsoft SQL, MySQL, Data warehousing

Deployment and Automation tools: Circle CI, Bit bucket, Github, Jenkins, DevOps, Continuous Integration, CI/CD, Docker/Kubernetes.

Automation technologies: such as Terraform and Ansible to build and deploy both applications and infrastructure.

Work Experience

April 2019 – July 2019	ALPHA IT SUPPORT	London
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Cloud DevOps/ Architect

Skilled DevOps Architect with 3+ years of hands-on experience supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, CI/CD, and DevOps processes.

- Establish deep relationships with key stakeholders, who drive long-term cloud adoption within their company.
- Designing and implementing monitoring security measures related to networks and software, validation procedures, programming and documentation (AWS, Application Security, Vulnerability Management)
- AWS Experience with CI/CD pipeline engineering (Jenkins) Terraform experience
- Strong knowledge of networking concepts (VPN, ACLs, VLANs, Security Groups, Proxy)
- Planning, scheduling, tracking/monitoring, resource allocation, issue/risk management
- Driving development teams and engineering teams and executing the program of projects against committed milestones.
- High level of focus on delivery, benefits, identifying opportunities and making a real difference through leadership of change
- Persuades rather than pushes when influencing colleagues
- Have hands on experience working with Amazon EKS Docker on AWS EKS with Kubernetes.

May 2018 – March 2019	Silicon Markets	London
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Cloud DevOps Engineer

As a Cloud DevOps Engineer at Silicon Markets in the areas of DevOps, Software Development Lifecycle phases including Analysis, Design, Development, Implementation, Testing, Support, and Administration applications on AWS Stacks with focusing on high-availability, fault tolerance, and auto-scaling.

- Designing and implementing monitoring security measures related to networks and software, validation procedures, programming and documentation (AWS, Application Security, Vulnerability Management)
- Involved in building CI/CD pipeline with Git, Bitbucket, Jenkins, Terraform, Packer, Ansible, AWS, Artifactory for Nodejs and Java applications.
- Designed and implemented AWS VPC for development, UAT, Demo and production accounts with resources like public, private Subnets, NAT, Bastion Host, Route tables, Internet Gateway, Security Groups, NACL, ELB, ASG, Virtual Private gateway.
- Worked in AWS resources like Route53, IAM, EC2, S3, EFS, EBS, AMI, SNS, Cloudwatch, Cloud Front, Kinesis, Redis, DynamoDB, RDS, AWS Lambda, Certificate Manager, WAF.
- Designed and implemented workflow for deploying micro services with Docker containers in Kubernetes cluster in AWS using Kops, Terraform, Ansible and Python.
- Managing and optimizing AWS cloud infrastructure. Improving their logging and monitoring processes. Configuration management (Ansible, Terraform).

Feb 2018 – April 2018	Vodafone HQ	Newbury, UK
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Cloud Infrastructure Specialist

As a Cloud Infrastructure specialist at Vodafone I help and transform their IT infrastructure, operations & applications to make the most of the scalability, innovation & cost efficiency of the AWS platform.

- Planning high level strategic vision and artefacts from the Principal Architecture.
- Hands-on experience of working through the end to end project life cycle.
- Engagement with technical and non-technical stakeholders on a daily basis.
- Migrating On-Premises to Cloud using auto scaling, load balancing feature.
- Planning, designing and implementing AWS service to migrate apps form on premises to could platforms, hybrid solution. I was responsible creating HLD/LLD documents for the Infrastructure Specifications and migrating (in-house infrastructures to AWS could service).

Nov 2016 –Nov 2017	Futuristic Technologies	London
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Cloud Consultant

As a Cloud Consultant at Futuristic Technologies I help companies understand how to transform their IT infrastructure, operations & applications to make the most of the scalability, innovation & cost efficiency of the AWS platform. Involved in designing and deploying a multitude applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling.

- Implement technical solutions for clients across the business
- Migrating current in-house setup environment to AWS using auto scaling feature.
- Mange users and groups using IAM and assigned individual policies to each group.
- Continuous Integration/Continuous Delivery (CI/CD) experience
- Experience and exposure to both Windows & Linux platforms.
- S3, Dynamo DB, RDS, API gateway, Elastic Beanstalk, Python.
- Create and setup VPC, subnet, routing, internet gateway, NAT gateway,

Key Achievements:

- Provide thought leadership and architectural expertise to a cross-functional team charged with deploying a host of customer-related applications and data to the cloud.
- Planning, designing and implementing AWS service to migrate apps form on premises to could platforms, hybrid solution.

Nov 2014 – Sep 2016	National Health Service (NHS) CSW-CSU	Oxford
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Technical Project Manager

In this position I have the sole responsibility for the Technical Infrastructure projects throughout the entire project lifecycle, project delivery, business liaison / stakeholder management, implementation review and project close out / handover. In this role I have responsibility for deploy and Implement a GP Cloud IT project, GP WI-FI/ VPN includes Cloud backup storage and migrating clinical apps and Server to cloud.

Key Achievements:

- Managing entire technical projects from inception to completion.
- Hands on and responsible for delivering and co-ordinating the technical aspects of a NHS Mail 2 projects, working closely with technical teams and managing a range of stakeholders.
- GP Server Upgrade Project, upgrading the GP existing server estate Operating Systems from Windows Server 2003 to Windows Server 2012 R2 using Dell hardware, with the intention to bring all practices in to a single domain and also virtualizing existing additional servers in VM's using Hyper-V technology.
- Major window 7/10 desktop replacement planning across large numbers of users and sites.
- VPN & Wi-Fi Project deployment using Cisco Wireless access points devices and VPN Access controllers to GP sites. Ensuring that projects conform to PRINCE2 methodology and required standards.

Feb 2011 – Sep 14	National Health Service (NHS)	Hounslow and Ealing
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Technical Project Implementation Lead

As a senior Technical and Project Implementation Lead Architect, in this role I was responsible for leading and managing a project team. Planning, implementing, upgrading and deploy entire IT infrastructure.

- Windows 7 image Build using MDT 2010/2012, WDS, SCCM 2007/2012 deployment tool for new laptop, upgrade and desktop.
- Responsible for testing and implementing clinical application Emis LV, Emis PCS, Emis web, Vision, Torex, System one and database migration new system.
- Responsible for 57 install, configure, AD, Group Policy implement Server 2012 upgrade from server 2003 migration and deploy.

Key Achievements:

- ✓ GP refresh IT Windows 7 PC Deployment project, which includes 1500 PC's, OS, Clinical Applications(system one) migration, Doc Man and office 2010 configuration.
- ✓ Rolling out Windows Server 2012 for all GP Practices including virtualizing existing additional servers and enabling the VDI solution using Hyper-V.
- ✓ Configuring and integrating medical devices in to clinical application (ECG, 24 hour BP, Spiro).

Nov 2010 – Jan 2011	Marks & Spencer	Stockley Park, Uxbridge
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Lead Technical Project deployment

Lead Technical Project deployment for Marks & Spencer, Windows 7 OS refresh Programme for migrating 1400 users from Microsoft Windows XP to Windows 7.

- Responsible for a imaging the machines using SCCM tool.
- Managed a team of engineers with a deployment run rate of up to 100 machines per day.
- Incorporated the upgrade of Microsoft Office 2007.

April 2010–Oct 2010	NHS Barnet PCT	Edgware, London
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Project Implementation and IT Audit

In this position after the complete success of the NHSBT Electronic Offering System (EOS) project, the job requires the delivery of Clinical Application Implementation and services to 73 GP practices around the Barnet area. The responsibilities were for Audit, Plan and deploy the clinical applications,

upgrade server and network optimisation.

Nov 09 – Mar 2010	NHS Blood & Transplant	London
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Project Implementation

In this position I was hired to implement and deliver the new NHSBT online Electronic Offering System (EOS). In this role at NHSBT the responsibility was for implementing the EOS (Electronic Offering System) project for over 62 Hospitals in London and South East, dealing with local IT manager and coordinating with Project Managers to deliver the EOS system in to operational environment.

Sep 2008 – Oct 2009	Hounslow PCT (NHS)	Hounslow, London
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IT Project Implementation Engineer

As project implementation Engineer I was responsible for deployment and Implement a number of projects to an existing Infrastructure. In this role at NHS PCT I was responsible for provide project support for over 700 staff and 56 GP practices, implementing the following projects.

Mar 2008 - July 2008	VX Telecom Ltd	Harrow, London
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Network Consultant (Contract)

I was hired to design and implement the IPTV, IPCCTV and VOIP Infrastructure for VX Telecom. I was solely responsible for the initial project plan and design of the entire VOIP system and all associated technologies and methodologies.

Aug 2004 –Feb 2008	Farmacia Chemist Ltd.	London, UK
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IT & Software Engineer

In this position I focused on the design and implement the company's infrastructure and look after the company's **e-commerce** CMS web site design, development and support. I was solely responsible for the initial project plan communication between the 8 outlets which are located in **Harrods, Selfridges and House of Fraser**.

Professional Qualification

AWS Certified Solutions Architect	Certified PRINCE2® Foundation
Cisco Certified Network Associate (CCNA)	VMware Certified Professional 4.1 (VCP)
Cisco Certified Design Associate (CCDA)	Microsoft Windows Server (MCP)
Server Virtualization with windows server Hyper-V and System Centre 2012 R2 (MCS)	
Certified Amazon EKS Docker on AWS EKS with Kubernetes.	

Education

MBA in Business Administration (IT Management)

De'Montfront University , UK

(MS)PGD in Computer Networks

Middlesex University , London, UK

Professional Trainings

Amazon EKS Docker on AWS EKS with Kubernetes	Oct 2019
AWS Certified Solutions Architect	Nov 2019
Prince 2 Foundation(Certified)	Jun 2013
Cisco CCNA (Certified)	July 2008