

**DEBASIS SINGH**[Debasissingh.72@gmail.com](mailto:Debasissingh.72@gmail.com) | +91 72040 26186/91325 95692**CLOUD COMPUTING | AWS SOLUTIONS | DEVOPS**

- AWS Certified professional offering 7+ years of experience in automation, architecting, application development, enterprise data architecture, and virtualization-based architectures with full development life cycle across cutting-edge, high-availability, mission-critical systems, and cloud solutions.
- Profound understanding of AWS, IBM Blue Mix, GCP, Apache, Nginx, Red Hat/Ubuntu environments, Load Balancing, and HA Proxy.
- Proven experience in deep systems architecture and engineering expertise in cloud architectures. Ability to optimize web functionality that improves data retrieval and workflow efficiencies.
- Expert in designing and deploying enterprise-wide, complex cloud environments on a global scale. Designed and developed web applications across multiple APIs, third-party integrations, and databases.
- Strong leadership, interpersonal, problem-solving, analytical, decision-making, and communication skills.

**CORE COMPETENCIES**

Solution Architecture  
Business Driving Technology  
Stakeholder Management

Cloud Computing  
Project Management  
Database Management

Full Stack Development  
Application Framework Design  
High Availability Solutions

Enterprise Applications  
Leadership & Motivation  
Resource Management

**KEY ACHIEVEMENTS**

- Successfully designed and delivered scalable and fault-tolerant infrastructure on AWS.
- Achieved success in migrating on-premise applications to AWS infrastructure.
- Strategically led focused project teams in the configuration and customization of various service applications.
- Designed cloud deployment strategies that mitigate risks while meeting infrastructure, employee, customer, and budgetary needs.

**PROFESSIONAL EXPERIENCE****Product Engineer Specialist, STANDARD CHARTERED BANK**

Since Jul 2020

- Working as a Product engineer with Standard Chartered Bank.
- Setting up CI/CD pipelines using Jenkins, shell scripting, python, Docker & bit bucket.
- Creating Golden Versions Products.
- Creating One Click Installers for Golden version Products using shell script, Power Shell, python & Ansible.
- Security validations for APIS including CI/CD pipelines during automation journey ( Devsecops ).
- Responsible for leading the development and establishing operational processes within the team for a distributed cloud platform.
- Full accountability of developing CI/CD roadmap/s and implementing the same across the project/s.
- Deliver solution concepts, enterprise, and application architecture, as well as providing analytical and development delivery for various projects/programs

**DevOps Engineer, LIVE SPACE**

Jan 2020–Jun 2020

- Established operational processes for a cloud platform and improved deployment process within AWS.
- Improved automated test and simulation frameworks; developed and automated SOPs around common failure scenarios.
- Monitored, analyzed, and reported performance statistics for cloud-hosted environments.
- Developed application performance management to measure and act upon performance data. Developed application features and improvements and wrote clean, well-documented, and resilient code/s.
- Full accountability of Cloud architecture, design & development around DevOps, containerization, and high-performance computing for multiple Cloud providers.

**Consultant, Capgemini Pvt LTD**

Feb 2017- Dec 2019

- AWS/Devops Engineer with technical and troubleshooting expertise particularly interested in Automation, High Availability/Critical systems, utilizing Amazon Web Services (AWS), DevOps Tools, and Information Security.

- Hands on experience in designing scalable, fault tolerant infrastructure on AWS manually and using code.
- Hands on experience in lambda function to implement the AWS APIs for automation.
- Have worked on migration of on premise applications to the AWS infrastructure.
- Solid Experience understanding with AWS, IBM Blue Mix.
- Hands on knowledge on Cloud assessment.
- Implemented automation of backup and restoration process using lambda function (python).
- Database Migration to AWS Cloud.
- Currently working on EC2, IAM, EBS, Lambda, S3, Cloud Trail, AWSConfig, Cloud Watch services
- Currently working on building and maintaining infrastructure on AWS using Cloud formation.
- Aware of how to set up VPC, Subnet, Security Group, ACL & Virtual firewall.

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**Software Engineer, GOOD WORK LABS SERVICE PVT LTD**

Dec 2015–Dec 2016

**Software Engineer, E-GITANJALI GROUP**

May 2015–Nov 2015

- Continuously identified, measured, and improved processes; collaborated in a team-focused environment providing software solutions to diverse industry clients.
- Helped build and enhance highly available, scalable, real-time, and secure systems used by customers. Adhered to high-quality development standards while delivering solutions on-time and on-budget.
- Coordinated with users, other technical teams, and leadership for gathering requirements, explaining software product features, and technical designs. Verified that software met requirements, maintained existing applications, and collaborated on future projects and innovations.
- Established and nurtured cordial relations with vendors through tactical evaluation and presented reports/details on the same to the management.

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**Web Application Developer, INTERFINET TECHNOLOGIES PVT LTD**

Feb 2014–Apr 2015

- Analyzed requirements and designed, developed, and implemented web applications for multiple websites.
- Created, maintained, and implemented source code/s for application modules.
- Tested websites and performed user testing and troubleshooting before live deployment.
- Fixed bugs and implemented enhancements that significantly improved web functionality and speed project management tasks.

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### EDUCATION & CERTIFICATIONS

- **2012: B Tech**, Biju Patnaik University of Technology, Odisha, India
- **2008: C.H.S.E**, NSM City College, Odisha, India
- **2006: I.C.S.E**, Cambridge School, Odisha, India
- **IBM Bluemix (IBM Certified Application Developer – Cloud Platform v2)**
- **AWS Certification** Training, Intellipaat
- **AWS Certified Developer Associate**

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### KEY PROJECTS

#### #1:

**Client:** Standard Chartered Bank (**Since Jul 2020**)**Tools:** AWS/On-Premises, Docker, Jenkins, Python, Bash, Power Shell, Ansible, CI/CD tools Git/Bit Bucket, Jira**Description:** Standard Chartered PLC is a British multinational banking and financial services company headquartered in London, England, operating a network of 1,200+ branches and outlets, including subsidiaries, associates, and JVs across 70+ countries and employs around 87,000 people. It is a universal bank with operations in consumer, corporate and institutional banking, and treasury services. Despite its UK base, it does not conduct retail banking in the UK, and around 90% of its profits come from Asia, Africa, and the Middle East.**Responsibilities:**

- Create and maintain fully automated CI/CD pipelines for code deployment; automate build processes using Python, Bash, Powershell, etc.
- Create Golden versions for multiple products applicable to internal and external departments in the bank; create and manage Ansible playbook required for One-Click deployment for Golden version products.
- Manage and create Jenkins VX pipeline scripts and Version control support using Bit Bucket.
- Develop, maintain, and enhance pre & post-build scripts (Shell and Python).

**#2:****Client:** Livspace Home Design Applications **(Since Jan 2020)****Tools:** AWS, Gitlab, Docker, Kubernetes, New relic, Helm**Description:** Livspace is an online home interior design and renovation platform in India, along with its branches in various parts of the globe. It deals with the interior design for houses along with its beautiful designs. Dealt with technical development integration tools right from scratch, including end-to-end development, support, and maintenance.**Responsibilities:**

- Handle complete migration from Jenkins to Gitlab.
- Involve in managing and creating Gitlab pipeline scripts, Version control support using Git/Gitlab/ Bit Bucket, automating build processes using Python, Bash, etc., and deployment to AWS/ Kubernetes.
- Use Helm to manage web apps, Environment configuration Files, Users, Mount Points, and Packages.
- Manage Kubernetes charts using Helm, and create reproducible builds of the Kubernetes apps; manage Kubernetes manifest files and releases of Helm packages.
- Use CI/CD tools Jenkins, Git/Gitlab, Jira, and Docker registry. Deploy and maintain the production environment using AWS EC2 instances and ECS with Docker. Integrate Rabbitmq with New relic for monitoring purposes.

**#3:****Client:** Europe Based Petroleum Oil & Refinery Company **(Since Oct 2018)****Tools:** AWS, Git, Jenkins, Docker, Ansible**Description:** The concerned multinational energy company has its HQ in Oslo, Norway, and its branches in various parts of the globe. It deals with the number of pipelines for oil and refinery, including gas. Dealt with technical development integration tools starting from scratch, including end-to-end development, support, and maintenance.**Responsibilities:**

- Manage, improve, and monitor cloud infrastructure on AWS, EC2, S3, and RDS, including backups, patches, and scaling.
- Build and deploy Docker containers to break the monolithic app into micro services, improving developer workflow, increasing scalability, and optimizing speed.
- Automate build and deployment using Jenkins to reduce human errors and speed-up the production processes.
- Install and configure Nagios to constantly monitor network bandwidth, memory usage, and hard drive status.
- Manage GitHub repositories and permissions, including branching and tagging.

**#4:****Client:** Telecom Company Malaysia **(Jan 2018–Sep 2018)****Tools:** Angular, Python, EC2, VPC, Auto scaling, Load Balancer, S3, Route 53, IAM, EBS**Responsibilities:**

- Configured Cloud Security (AWS) for their apps along with VPC Subnet, NAT gateway, Route Tables, ACL, and Security groups.
- Setup and configured EC2 instances with ELB and Auto Scaling Services and associate EIP.
- Created and managed AMI/Snapshots/Volumes.
- Utilized Cloud Watch to monitor resources such as EC2, ELB, EFS, and Workspaces Services.
- Configure Route53 (Amazon DNS) with different routing, single EFS to the multiple Instances for storage, and IAM and roles.
- Calculated costs using AWS Calculator; Migrated the application from On-premise to AWS.
- Automated backup using snapshots and Ami and gained high-level knowledge on overall AWS services.
- Implemented failover mechanism using route 53 and cross-region app replication.

**#5:**  
**Client:** US Based Automobile Company **(Feb 2017–Jan 2018)**  
**Tools:** AWS, EC2, VPC, Auto scaling, Load Balancer, S3, Route 53, IAM, EBS  
**Responsibilities:**

- Same as in the above project.

TECHNICAL PURVIEW

Web Technologies	HTML5, CSS3, Bootstrap, Angular 1.5, React JS
Languages	PHP, ECML, AWS, IBM Cloud Blue Mix, Google Cloud, Python
Database	Microsoft SQL Server 2008
Scripting Languages	Groovy, Shell Scripting, jQuery, JavaScript, Python
Web Servers	Apache, IIS7.0
Integration Tool	Jenkins
Version Control System	GIT
Configuration Tool	Ansible
Containerization	Docker
Operating Systems	Vista, Windows XP, Windows 7, Windows 8, Linux, Ubuntu
AWS Service Administration	IAM, VPC, Route 53, EC2, S3, Cloud Watch, Cloud Formation