UJJWAL SINGH

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**CAREER OBJECTIVE**

An AWS Solutions Architect with a demonstrated history of working with enterprises and startups and a proven track record of building and migrating applications, software and services on the AWS cloud platform.

He is someone who enjoys keeping his existing technical skills honed and developing new ones, so that he can consistently contribute to the cloud community.

He has a passion for educating, training, designing, and building cloud solutions for a diverse and challenging set of enterprise customers

An outgoing tech professional with an exceptional track record of delivering high priority projects under stringent deadlines. Looking forward for new opportunities to leverage his current skillset and to take it to the next level.

**EDUCATIONAL QUALIFICATIONS**

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| --- | --- | --- | --- | --- |
|  | **Course** | **Year** | Institution | Percentage/CGPA |
| Post Graduate Program in Cloud Computing | 2020 | Great Lakes Executive Learning Program |  |
| B-Tech Computer Science  | 2013 | SRM University NCR Campus | 63.52% |
| 12th Class | 2009 | Cambridge School Noida | 74.2% |
|  | 10th Class | 2007 | Cambridge School Noida | 86.4% |

**WORK EXPERIENCE**

**AWS Solutions Architect | Biovestro Healthcare Pvt Ltd | June-2019 – Present**

Biovestro is a B2B Herbal pharmaceutical startup firm having 70+ resources spanning across three regions namely – Noida, Allahabad and Guwahati.

**Responsibilities-**

1. Hired as a Business Development Solutions Architect for Digital transformation of this startup enterprise.
2. Lead a team of two developers to create software and services on the AWS cloud platform for this firm.
3. Lead the team of developers to create a static Java monolith and hosted it on a scalable and highly available solution on the AWS Cloud platform using AWS services like Route-53, Cloudfront, S3 bucket, DynamoDB and Elastic Bean Stalk for provisioning and managing the infrastructure.
4. Responsible for managing the AWS account of the firm.

**Project Report** : <https://www.cloud-files.org/post/project-biovestro-healthcare-private-limited>

1. Lead the team of developers to create a payroll management system for 70+ resources of this startup firm using PHP MySql and hosted it on a highly scalable and highly available solution using Elastic Beanstalk on the AWS cloud.

**Project Report** : <https://www.cloud-files.org/post/biovestro-healthcare-payroll-management-system-in-php-mysql-hosted-on-aws-using-elastic-beanstalk>

**Cloud Operations Senior Analyst | Accenture | August 2013 – May 2019**

**Project Title** – **TFAO** (Technology for Accenture Operations)

**Clients** – **NBN-National Broadband Network** (Buyer-portal and HR Portal), **Levis** (Buyer-portal and HR Portal)

* **Lead Cloud migration engineer for Cloud migration** project for H-R and Buyer-portal (NBN and Levis).
* Handled **Operations for entire Cloud Migration project** (from On-Premise to **AWS)** for both NBN and Levis

**Responsibilities-**

1. Gathering requirements form the clients and coordinating with the senior management for enumerating business reasons for migrating to the cloud.
2. Coordinating with stakeholders and creating a checklist to analyze the environment using AWS CAF Perspectives-Business, People, Governance, Platform, Security, and Operations.
3. Working with the solutions architect and selecting the right migration strategy and designing the intended target cloud platform.
4. Experience of working with management for building a business case for migration and refining the return on investment. This involved presenting -
* **Run cost analysis** - Future expected IT cost on AWS versus the existing (base) cost
* **Cost of change** - Estimated migration investment cost, expected ROI, and when will the project be cash flow positive
* **Labor productivity** – Estimated improvement in productivity of Operations resources post DevOps.
* **Business value** - Using AWS to improve project’s ability to respond to business changes
1. Lead the MRP - Migration readiness and planning phase and used ADS (Application discovery tool) to assess the on premise infrastructure setup for Application portfolio analysis.
2. Created Product Backlog with the management and conducted Sprint Planning, daily standup and Sprint retrospective meetings to gauge the progress and reported the same to the management on a constant basis.
* Collaborated effectively with stakeholders to lead the entire migration process within stringent deadlines and reduced SLAs to the business for application release got certificate of appreciation from the leadership for the same.
* Setting up of entire DevOps operational workflow for both NBN and Levis using AWS Code Commit, Code Build and Code Deploy on the AWS Cloud post migration from on premise environment.
* Experience of leading Deployment management using **DevOps** approach using CI\CD pipelines & **DevOps automation tools** to **increase rate of deployments** per year. Automated the entire DevOps pipeline using AWS Code Pipelines for continuous integration and deployments.
* Responsible for tracking computational usage and charges using AWS Cost Explorer and CUR and presenting optimization\recommendation reports to the manager on a regular basis. Used AWS CloudWatch metrics to monitor applications and responded to system-wide performance changes and optimized resource utilization.
* **Primary Point of Contact** for Application Infra setup\ upgrade, release management in Staging and Production environments of NBN and Levis for 4 years.
* **Lead and groomed** a team of 3 resources right after first year at Accenture.
* Rated amongst top 10% professionals throughout my tenure at Accenture.

**Projects Created in Post Graduate Program in Cloud Computing – Great Lakes Executive Learning Programme**

1. **Cassandra Setup | Master-less arch concepts**

**Course**:  Big Data Management & Analytics on Cloud

* Install multi-node Cassandra cluster, induce failure, create a keyspace / table and access from the client.

**Skills and Tools** - Cassandra, Bigdata

**Project Report:** <https://www.cloud-files.org/post/big-data-management-project-cassandra-setup-master-less-architectural-concepts>

1. **Deploying web app using ECS**

**Course:**  Containers

* In the last decades, small and large enterprises have invested heavily in developing bespoke applications. Since these applications have been built and enhanced over a period of time, they are complex and any form of re-engineering to convert it to smaller, modular and independently hosted services is difficult. Managed Container Services from cloud providers allows predictable and reproducible packaging of such apps. This project moved & deployed a classical web app to AWS ECS containers.

**Skills and Tools**: Docker, ECS, LoadBalancer, Fargate

**Project Report:** <https://www.cloud-files.org/post/pgpcc-project-deploying-a-java-web-application-to-aws-ecs>

1. **Building an Automated Business Process using Managed Services on a Public Cloud**

**Course:**  Managed Services on AWS

* In the connected world, it is imperative that the organizations be interlinked with the customers and vendors. This process has been very sluggish, manual, batch-based and prone to failures. Such Integration design has lead to impaired decision making and delays in the detection of fraudulent actions.This project created an automated, event-based real-time process using managed cloud services that do not have these limitations. Services & Concepts - VPC, IAM, EC2, Athena, SQL, Programming etc.

**Skills and Tools** - Kinesis, DynamoDB, S3, SNS

**Project Report:** <https://www.cloud-files.org/post/building-an-automated-business-process-using-managed-services-on-a-public-cloud>

1. **Team Communication Solution**

**Course:** Cloud Computing on AWS

* Implementing a Team Communication Solution using Mattermost and AWS. This is a scalable solution that can be hosted on a on-premises data center or on a public cloud,with its servers, storage etc. completely managed and controlled by your IT team in accordance with a company’s governance and security requirements.

**Skills and Tools** : EC2, VPC, Security Group, NAT Gateway / NAT Instance

**Project Report:** <https://www.cloud-files.org/post/pgpcc-implementing-a-team-communication-solution-using-mattermost-and-aws>

**AWARDS & RECOGNITION**

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| --- | --- | --- |
| * Certificate of **appreciation for outstanding service** on Solutions Quality Engineering from the Managing Director – FY’14 @Accenture
* **Certificate of Excellence** for driving HR & Buyer-portal project for NBN and Levis from the Managing Director- FY’17 (Q1) @Accenture
* Operations Encore – **Star of Business Award** for contributing to **Employee Retention Agenda** of the Industry Group – FY’17 @Accenture
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**EXTRA-CURRICULAR ACHIEVEMENTS**

* **Organized global town-hall** for entire project involving 50+ resources including Accenture leadership across 5 locations namely (Chicago, Manila, Delhi, Bangalore, Pune) – FY’17 and FY’18.
* **Lead speaker** for addressing deployment initiatives to the Accenture Leadership during Global Town-hall FY’17 and FY’18.
* **Co-ordinated with Leadership** to create SQE circles (Solutions Quality engineering) for the project – An open platform for internal project discussions and enumerating major initiatives taken by the project which was accessible to other projects across Accenture.
* **Organized Sports tournaments** at Accenture DDC4 location and was the Chess & Table Tennis Champion at Accenture DDC4 – FY’18 @Accenture

# Certifications & Courses

* Accenture Certified Agile trained professional & Classroom trained Business Analyst
* Post Graduate Programme in Cloud Computing’2020 – Great Lakes Executive Learning Programme

# KEY SKILLS

* **Functional Skills** – Agile Project Management, Business Analysis, Business Development
* **Technical Skills** – AWS, DevOps

# PERSONAL VITAE

* Hobbies Playing Chess, Table Tennis and writing blogs.
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