

# BHAWANI GOUR

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## An Experienced Professional - Solution Architecture

"Scope of work handled so far encompassed overseeing technology and functional vision, deliverables, programs, managing cross functional teams to support business and ensure achievement of committed service levels by optimizing utilization of resources, time & money of the organization"

Skilled in formulating the corporate strategy and fueling technological infrastructure, analyzing target markets and creating business models

**Targeted Industry:** Banking / Finance / Credit Card | **Location Preference:** No

**Core Competencies:** |Technical Lead| Solution Architecture | Database and Application Performance Tuning |Application Workflow Management | DevOps Automation | Oracle Database | UNIX | AWS | Kube| Docker | Jenkins |Core Java | Spring/Hibernate| REST API Customer Acquisition | Strategy Planning | Software Development |Team Management | Development & Testing Infrastructure | Production Support | Risk Management

**Soft skills:** | Multitasking in Fast-paced Environments | Highly Organized & Strong Analytical Abilities | Articulate Oral & Written Communication | Quick Problem Resolution & Decision Making | Leadership |

### PROFILE SUMMARY

Seasoned & versatile management professional with cross-functional experience of over 13 years across highly reputed business establishments in Banking, Finance and Insurance sector; skilled in Agile Methodology Software Development, gained functional knowledge on Investment Banking

- Forward-focused Technical Program Manager with insightful experience on project management activities inclusive of project scoping, planning & estimation, finalization of technical & functional specifications, resource planning and quality management for the solutions; orchestrating the creation of the solution & proposal
- Gained extensive work experience in the DevOps/AWS/Chef/Docker/Kubernetes; significantly worked on AWS IAAS services (Infrastructure as a Service) and AWS Services (EC2, IAM, S3, ECS, Dynamo DB, VPC, Route53, Lambda Certificate Manager, etc.); possess expertise in Oracle Solution Performance Tuning, PL/SQL Development and Administration
- Familiar with Chef, Jenkins Automation, AWS, GIT, Maven, Nexus, SonarQube, Splunk, Terraform & Datadog.
- Extensive experience in Build & Release Management using Jenkins, Maven, Git, Jira, Nexus, and Docker; exhibits excellent knowledge of Terraform (Infrastructure as a Code) tool to create detailed execution plan to build the infrastructure on AWS and Linux Openshift.
- Extensive development knowledge of implementing Configuration Management and Infrastructure as Code; skilled in designing, developing and advocating AWS best practices in collaboration with Architecture, Professional Services, Support and Service Teams
- Within the agreed enterprise architecture, define and design technology solutions to assist the business in meeting their business objectives; developing, testing and implementing technology solutions and report on delivery commitments to ensure solutions are implemented as expected and to agreed timeframes
- Strategic planner and thinker with ability to drive change across the segment products; understanding of cross-functional needs and interdependencies to successfully deliver a product program; demonstrated execution at meeting project goals while satisfying quality, performance, schedule, and budget

### Key Highlights across the tenure:

- Efficiently spearheaded OEM customer project and build complete infra on AWS through Terraform, Configure Jenkins jobs for Build, deploy and release, create and modify unit/service files for each microservice, deployment of Mongo DB and its Shards, Kafka Topic Creation, Postgres and Vault
- Deftly managed first Barclays end-to-end AWS Barclays Cloud Migration Project from AIX to RHEL 7
- Recognized for managing technical debt removal & implementation of Appdynamics for Performance Monitoring, ELK, DFE for File Transfer, Apaas Application/Micro Service Implementation
- Accredited with following awards:
  - o Barclays Customer Value Award for excellent performance for the DevOps Automation
  - o TSYS Excellence Award in recognition for the successful release of the transending product for merchant acquisition

- o Zensar Spotlight Award for providing "effort & support to accomplish project release targeted to improve productivity and process improvements with zero defects"
- Bagged Second prize at Barclay DevOps Hackatho Event
- Received Barclays Recognition Award for the Database & Workflow Deployment Automation

## **KNOWLEDGE PURVIEW**

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- CICD Pipeline, Continuous Integration Tool Jenkins and its plug-ins
- SCM Processes, Software Configuration Management using for Source Code Management
- Automation & managing end-to-end Build, Release and Operations support for Java Web Application using Optimal Tools & Efficient Process
- Java, Spring, Hibernate and REST API
- Credit Card Customer Acquisition and Payment Collection
- Setting-up of a Risk-free Production Deployment

## **ORGANISATIONAL EXPERIENCE**

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**Since Jan 2013 | Barclays Tech Centre India Ltd. | Platform Delivery Lead**

**Sep 2011- Dec 2012 | Zensar Technology Limited | Senior Software Engineer**

### **Key Result Areas:**

- Assisting engineers & configuration analysts for implementing a defined method to satisfy the customization of all components solutions in complex in commercial enterprise environments
- Drafting, documenting, executing & implementing automation functions including provisioning, configuration, monitoring, security, maintenance & deployment of platform components applications into in the target automated environments/s
- Responsible for building and maintaining a complex, AWS cloud-based service platform
- Involved in manual and automated deployment of web applications and services to production environments
- Coordinating with managed services team to support continuous improvement activities for key service processes
- Maintaining & continuing to build cloud infrastructure operating on AWS, with a focus on agility, scalability, and security
- Monitoring, analyzing, and presenting transactional vital statistics and application uptime/response time, and recommend environmental or operational changes
- Assisting in troubleshoot production and QA environments including application configurations, file/directory permissions, performance counter monitoring and analysis
- Administering software defined networking in AWS, proficient managing AWS Security Groups
- Consuming and configuring AWS Config to evaluate and managing AWS configuration settings
- Interacting with QA and Security team in testing all the services, functional testing and penetration testing
- Working in:
  - o Configuration Management tool (Ansible) for configuring Kubernetes cluster and pods
  - o Virtualization/containerization using Docker and Docker-based deployments on AWS CoreOS EC2 Instances
  - o DevOps for application build & deployment, application integration of application during migration and upgrade
- Handling automate build and deployment on dev, test and production environment using Continuous Integration Server Jenkins for software development in Java

## **PREVIOUS EXPERIENCE**

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**Jun 2010 - Aug 2011 | Total System (TSYS) Pvt. Ltd. | Database Administrator**

**Apr 2006 - Jun 2010 | Tata Consultancy Service Ltd. | Assistant System Engineer**

## **EDUCATION**

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- 2005** BE in Computer Science & Engineering from RGPV, Bhopal, MP  
**1999** 12<sup>th</sup> from SDJ Higher Sec School Bhopal, MP Board  
**1997** 10<sup>th</sup> from Govt. Higher Sec School Umarawganj (Raisen), MP Board

## **CERTIFICATIONS**

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- AWS Certified Solutions Architect – Associate
- Oracle10g: Program with PL/SQL OCP: 1Z0-007 and 1Z0-147
- ITIL V3 ITIL ® Foundation Certificate in IT Service Management - Exin
- SQL Server 2000 Data Base Design and Implementation 70-229

**TRAININGS ATTENDED**

- DevOps training in the AWS, Dockers, Git, Maven, Nexus, Jenkins & Puppet and Chef
- Advance training in Chef Development Administration, Cookbook, Environment & Data Bags
- Informatica 8.1 - Basic & Advance Concept, ETL Methodology, Data Warehouse Concept Designing
- Tibco Business Work 6.5 Designer and Administrator

**TECHNICAL PURVIEW**

- Languages: Oracle 11G, PL/SQL and UNIX shell script, Core Java, Spring & Hibernate
- Tools: Vectus (FICO) workflow management & Informatica and Toad
- Operating Systems: UNIX, Linux and Window
- RDBMS: Oracle 10g
- NON RDBMS: Mongo DB
- Concepts: Data Warehousing, Database and UNIX administration
- Practice: Agile Methodology

**DevOps Tools:**

- Build & Deployment Tools: Maven, Jenkins, Ansible, Nexus and GIT
- Containerization: Docker, Kubernetes and AWS ECS
- Infrastructure As Code: Chef, puppet &Terraform, Cloud Formation
- Orchestration: Kubernetes and AWS ECS
- CI Tool: Jenkins, Cruise control
- Defect Tracking Tool: JIRA, Service-Now, Remedy
- Web Server: Apache, tomcat, WAS servers
- Documentation Tool: Confluence
- Cloud Technologies: Amazon Web Services, OUD, OpenShift
- Processes: Configuration, Release Management

**VOLUNTARY ASSIGNMENT**

- Served as an active member of:
  - CSR Team of Barclay
  - Barclay's training and Career Guidance for Graduate & New Joiner

**PERSONAL DETAILS****Date of Birth:**1<sup>st</sup> July 1981**Languages Known:**

English &amp; Hindi

**Passport Details:**Passport No.: Z3945712, Passport Issue date: 07<sup>th</sup> Feb-2017, Passport Expiry date: 06<sup>th</sup> Feb-2027, Place of Issue: Pune (Maharashtra)**(Please refer annexure for projects handled)**

## **ANNEXURE**

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### **Key Projects Handled:**

<b>Title:</b>	<b>Customer Acquisition System</b>
Period:	Since Jan 2016
Organization:	Barclays Technology Centre limited (BTCL)
Client:	Barclaycard
Technology:	Oracle 12C, AWS, Linux, Chef, Jenkins, Java, spring boot, Rest API and Appdynamics, Jira, Git, Maven, Jenkins, Junit, SonarQube, Kibana & elk
Scope:	CAS application platforms represent one of the core services of Barclay's RBB.
Description:	The main objective of project was to manage an existing CAS Platform services integrated with various legacy technologies, framework and application. As part Barclay's resilience programme platform needs to Re-platform CAS from AIX to Linux on AWS cloud. Build a resilient system with DR capability to make resilient and on demand upgradable. CAS platform needs remove existing technical debts like physical to cloud, AIX to Linux, Java application framework in spring boot & heavy SOAP based web services into lightweight REST application.
Team Size:	12
Role:	Technical Delivery Lead for CAS Resilience Program
Responsibilities	<ul style="list-style-type: none"><li>• Involved in AWS server commissioning, storage, network, file transfer and system software installation</li><li>• Developing and modifying service files for k, STAGE &amp; PROD ENV and check-in to SVN for further deployments on CoreOS</li><li>• Performing capacity planning for each service before creation of its infrastructure on AWS</li><li>• Drafting DEV, STAGE and PROD ENV infrastructure on AWS through Terraform with having sound knowledge of its module structure; configuring backup of Terraform state i.e. tfstate file in S3 bucket; stating file keeps Terraform up-to-date with real world configuration</li><li>• Preparing Terraform script to create EC2-Instances, Security Group, ALB, Target Groups, AMIs, Snapshots, EBS Volumes, EIPs, ASG, Launch Configuration, VPC- Subnets, Route tables, Internet Gateways, NAT Gateways, Peering Connections, Virtual Private</li><li>• Responsible for creating:<ul style="list-style-type: none"><li>o Each component's specific docker image using Docker File along with code and upload into Harman Docker registry</li><li>o Gateway, Site-to-Site VPN Connection , Route53 – Public and Private Hosted Zone for CNAME record and Record set</li><li>o Amazon Issued public and private DNS endpoint certificates and import DigiCert certificates also, IAM – Created SES User, Graylog SES User and other required users</li><li>o Roles &amp; policies to apply on EC2 nodes for many reasons; Encryption keys for S3, EBS volume, AMI, Vault etc. , S3</li><li>o Buckets for various purposes as per requirement</li><li>o Support tickets to increase the limit of any services like Instances with specific type, ALB, EIPs, SNS Messages limit, etc.</li><li>o Separate Jenkins server for all ENV and configure each component Jenkins jobs for Build and Deployment</li><li>o Monitoring infrastructure through terraform and configure Kubernetes cluster through Ansible script</li></ul></li><li>• Performed Authentication on AWS through Single Sign-on service for login</li><li>• Involved in configuring:<ul style="list-style-type: none"><li>o Build jobs for building docker image and push it to Harman docker registry</li><li>o Deployment jobs for multiple ENV to deploy microservices on AWS CoreOS Nodes</li><li>o Maintenance jobs often that includes MongoDB Backup and moving the backup files to S3 OR Scheduled jobs</li><li>o Grafana and Prometheus for Node, Container, Application, pod level monitoring</li></ul></li><li>• Deploying Grafana and Prometheus containers within the Kubernetes cluster</li><li>• Building automated continues integration and deployment process using chef, Jenkins maven and GIT</li><li>• Managing Application containerization, Application load balancer and event monitoring via lambda/cloud watch</li><li>• Identifying Java application needs to migrate from old EJB based framework to spring boot and RESTAPI services</li><li>• Leading team of DevOps engineers and evaluated CI/CD pipeline</li></ul>

<b>Title:</b>	<b>Customer Acquisition System</b>
Period:	Jan 2013 to Dec 2015
Organization:	Barclays Technology Centre limited (BTCL)
Client:	Barclay Card

Technology:	Oracle 11G, UNIX Shell scripting and Vectus 5.3 (Workflow Management)
Scope:	Barclaycard UK currently had 9.9 million cards in circulation out of which 6.0 million active accounts boarded prior to CAS programme
Description:	Project involved in CAS system that represents one of the core services of Barclays Retail Business Banking (RBB) enabling acquisition of new customers. It processes 5k to 10k new credit card applications each day. It integrates real time with around 15 various third parties and internal Barclaycard Systems like GOLF, BGOLF, AS2, Triumph, Equifax CRA, Experian CRA, Bank Wizard, CAPSCAN, Fraud Gateway, Experian IDIQ, and datanomics Sanction Check System to provide instant decisions on applications within 35 seconds.
	It uses two core products Vectus (FICO) as workflow and Strategy manager (Experian) for decisions and various technologies from Mainframe, Java, UNIX shell scripts to Oracle PL/SQL and integrates using CICS, MQ and web service calls. Have around 130+ Interfaces which either do real time interaction or are used for various imports, export of application and configuration data.
Team Size:	10
Role:	Platform Analyst for PL/SQL and UNIX Shell Script Development Jira, Git, Maven, Jenkins, Junit, SonarQuibe and RedHat open shift
Responsibilities :	<ul style="list-style-type: none"> <li>• Identified &amp; collated requirement and designed the process and functional flow for different business scenario for credit card customer acquisition</li> <li>• Managed different vendor specific application interface development using Oracle &amp; Unix technology</li> <li>• Used advanced oracle Technologies (Nested Table, Ref Cursor, Varray, and Index by table)</li> <li>• Carried out performance tuning for the SQL queries, function, procedure &amp; packages</li> <li>• Created DML, DDL, Schema Level trigger for audit and history purpose</li> <li>• Developed database object like Materialized View, Index, Table and Clustering, SQL Loader, Oracle Standard Inbuilt Package implementation</li> <li>• Adhered to performance tuning methodologies; optimized and tune stored procedures, embedded SQL, taking advantage of Oracle specific features</li> <li>• Handled robotic business process queue development to automation application process and status updates using oracle triggers</li> <li>• Developed automation process for application version for different environment</li> <li>• Managed Database sync process for the various development and testing environment</li> </ul>
<b>Title:</b>	<b>Assurant Elita - Product Development &amp; Support</b>
Period:	Sep 2011 to Dec 2012
Organization:	Zensar Technology Limited
Client:	Assurant Solution Pvt. Ltd. (USA)
Technology:	Oracle 11G, Shell Scripting, Hibernate Spring Framework, SOAP Webservice, Linux, Maven, Junit, Jenkins, Selenium, Puppet and XML
Scope:	Assurant is one of the leading Insurance companies in USA providing Insurance to various geographical regions. Their services cover the full spectrum of household equipments and vehicle insurance for the products of the multiple companies. These services availed to the customers by dealers of various countries. Assurant also upgrading their existing system to provide life insurance through which customer can have entire life covered in the policy.
	Elita Product support Assurant business processes for Vehicle service insurance, extended service insurance and Wireless insurance. Elita have different module like Certificate management, Claim management, and Product definition, Service Network, Accounting and Admin. Elita provide facility for the enrolment and claim processing using file system, Web Service and 24X7 online.
Team Size:	17
Role:	Oracle PL/SQL Development and Performance Analyst
<b>Title:</b>	<b>Transending Product Enhancement &amp; Customization</b>
Period:	Jun 2010 to Aug 2011
Organization:	TSYS Pvt. Ltd.
Client:	GCA, CapitalOne & Moneris
Technology:	Oracle 11G, Java J2EE, Soap Web Services, Hibernate and spring
Scope:	The Transending acquiring product facilitates an efficient operation of an Acquiring bank by providing several workflow modules and tools to streamline operations and reduce process turnaround times and errors.
Description:	Project involved in managing Transending different tools like Online Application, Lead management and tracking, Underwriting, Setup, RISK Monitoring, Finance, Customer Support, Compliance, Commissions and Sales Force Management. These tools also help organizations stay compliant to compliance regulations such as AML, PCI and others.

	TranSending system will be used by staff members of the acquiring bank as well as their sales force and their clients. Transending is a Merchant Acquiring Solution to manage merchant banks their Portfolio. Business services like merchant's settlement, commission processing, charge back process and report generation.
Team Size:	15 (Database Development & Administration Team)
Role:	Database Administrator and Release Automation
<b>Title:</b>	<b>Option Symbology Initiative (OSI)</b>
Period:	Jan 2009 – Mar 2010
Organization:	Tata Consultancy Services Ltd.
Client:	Morgan Stanley
Technology:	Axiom SL, UNIX, Oracle10G, PL/SQL and UNIX shell scripting
Scope:	The Options Symbology Initiative (OSI) is a plan by the Options Clearing Corporation to overhaul the existing method of identifying exchange-listed US options contracts to decrease the current limitations in and create an industry standard for options that accommodate derivative products. It involved designing stored procedures to support the communication of Perl scripts with DB2 database. Also Functional testing, Load/Stress testing of OSI portal, designing Test scenario, development of test script and result analysis
Team Size:	25
Role:	Database Developer and UNIX Shell Scripting
<b>Title:</b>	<b>SWIFTnet Implementation</b>
Period:	Apr 2006 - Dec 2008
Organization:	Tata Consultancy Services Ltd.
Client:	Lehman Brothers
Technology:	Oracle 10g, Informatica and UNIX, Java and SWIFT
Description:	The aim of the project was to implement the activity to replace hardware and standard software, application migration. In order to build resilience transaction system with scalable robust application. This next generation project should able to handle millions of swift transition in daily business.
Team Size:	Implemented the architecture of the Generic Messaging Component (GMC) and provide real time SWIFT messaging services. Swift Alliance Access (integration with database, backend transaction application, AML and SAG. SAA is the computer-based terminal (CBT) used to interact with the swift network. Carried out over all replacement process Mint transaction with SWIFT Alliance Access 6.2.
Role:	10
	Developer