

With having 12+ Years of experience in multiple area of IT industries such development, infra & cost optimization, capacity planning & architecting etc., Work with enthusiasm & looking for a position in a company where professional experience, education and abilities stand as an advantage for personal growth. Work to contribute to the company business goal through varied assignments & client's relationship.

Experience

Jun'2025 - Present

Software Engineer (Multi Cloud FinOps)/ Avaloq (An NEC Company) Pune, India

- Analysed cloud cost and usage patterns across multi-cloud environments and implemented FinOps best practices to optimize spend, achieving measurable cost savings through rightsizing, Reserved Instances, and Savings Plans optimization.
- Designed and enforced governance policies for resource tagging standards and cloud service quotas/limits, leveraging Python-based automation to ensure compliance, improve cost allocation accuracy, and enhance financial visibility.
- Automated FinOps processes including cost data collection, allocation modelling, budget tracking, and anomaly detection to reduce manual effort and increase reporting efficiency.
- Developed and maintained chargeback and showback models across business units to improve cost accountability and transparency in multi-cloud environments.
- Generated detailed capacity planning and financial optimization reports covering compute, storage, and network resources to support infrastructure scaling decisions and workload forecasting.
- Built interactive Grafana dashboards using time-series databases (InfluxDB, Prometheus, TimescaleDB) to visualize cloud utilization, capacity trends, and cost metrics for leadership and engineering teams.
- Applied AI and Generative AI tools to:
 - Automate cloud cost analysis and reporting
 - Generate executive-level cost summaries
 - Provide intelligent optimization recommendations
 - Enable natural-language querying of FinOps data
- Performed statistical analysis and forecasting on infrastructure utilization to support proactive capacity planning and budget estimation.
- Led knowledge transfer sessions and delivered technical training on RDBMS, Time-Series Databases, FinOps frameworks, Capacity Planning, Automation, Excel (advanced analytics), and Power Query to cross-functional teams.
- Collaborated with Finance, DevOps, and Cloud Engineering, Architect teams to align infrastructure usage with business value and financial accountability principles.
- Created AI Agents using Google Gemini, ChatGPT, M365 Copilot, Claude Project for FinOps Knowledge base.

Skills

AWS, Azure, GCP & Oracle Cloud, FinOps, Python, Django (Web Framework), Streamlit, SQL, Terraform, Morpheus, Ansible, Apache Kafka, Oracle, GenAI (ChatGPT, Gemini, etc.), Prompt, DevOps, API, Docker Container, Kubernetes, GitHub, GitLab, MySQL, PostgreSQL, Influx DB, Grafana, Python/Shell Scripting.

Clients

Deutsche Bank, Edelweiss, HSBC, RBC Wealth Management, BDO Unibank, A1 Bank, Arab Bank Switzerland, Barclays, BNI, BPI, CIMB, V-Bank, etc.

Tools & Technologies

AWS (Amazon Web Services), OCI, Superset, JIRA, Confluence, VMWare CloudHealth, Anaconda Framework, Jupyter Notebook, Atom, Python IDLE, PyCharm, Visual Studio Code Editor, SQL Developer, PGAdmin, SQLYog, vCenter, vXRail, vRops, RVTool, Docker, RVTools, MS Office, etc.

Certifications & Trainings

• Certified OCI Foundation Associate • Certified Oracle Cloud Infrastructure Architect Associate • Certified OCI AI Foundation Associate • AI Generalists & Prompt Engineering

Mar'2018 – May'2025

Technology Specialist (Technology Specialist- Capacity Planning & FinOps)/ Amdocs Inc. Pune, India

- Analyze Cost & usage pattern of cloud services & implementing FinOps best practices to optimize cloud costs, achieving significant savings through rightsizing, reservations, and savings plans.
- Generating Grafana dashboards with various backend (Databases) like MySQL, PostgresDB, Oracle, Timeseries Database (InfluxDB) and TimeScale DB using Postgres.
- Managed cloud financial planning, including budget creation, anomaly detection, and forecasting cloud expenditures using historical trends.
- Analyzed and managed cloud spending across AWS, GCP & Azure, optimizing costs for hybrid and multi-cloud environments.
- Delivering Best practices cost & infrastructure reporting to stakeholder with cost savings opportunities, compute rightsizing opportunities, optimized usage of cloud.
- Governance & policy implementation of cost allocation strategies, tagging policies, cost anomalies
- Forecasted resource demands based on transaction growth (TPS) and peak usage trends to ensure system reliability during high loads.
- FinOps operations, such as cost saving on cloud as well on prem, budget allocation, Cloud Billing & Cost Optimization, FinOps Reporting, Business Reports & Forecast.
- Optimized cloud costs through FinOps strategies, leveraging tools such as VMWare CloudHealth, AWS Cost Explorer or Azure Cost Management & Google Billing to ensure efficient resource usage.

Skills

AWS Cloud, GCP, FinOps, Python, Django (Web Framework), Streamlit, SQL, Terraform, Morpheus, Ansible, Apache Kafka, Oracle, Couchbase (NoSQL), GenAI (ChatGPT, Gemini, etc.), Prompt Engineering, DevOps, API, Docker Container, Kubernetes, GitHub, GitLab, MySQL, PostgreSQL, Influx DB, Grafana, Python/Shell Scripting.

Clients

APAC (Globe, Telkomsel, XL Axiata), CMI-NA (Comcast, Cricket, MetroPCS, USCC, Cable Vision, TMO), EMEA (Sky Italy, 3 UK, 3 Ireland, Vodafone Italy) etc.

Tools & Technologies

AWS (Amazon Web Services), VMWare CloudHealth, Anaconda Framework, Jupyter Notebook, Atom, Python IDLE, PyCharm, Visual Studio Code Editor, SQL Developer, PGAdmin, SQLYog, vCenter, vXRail, vRops, RVTool, Docker, RVTools, MS Office, etc.

Certification

• AWS Cloud Practitioner • AWS Solution Architect Associate • OCI Foundation Associate • OCI Solution Architect Associate • OCI Foundation AI Associate • Avaloq ABR/S Associate

Skills

Python, Django (Web Framework), SQL, Oracle, ASP.Net (C#), C++, Java, HTML, CSS, JavaScript, DevOps, API, OpenShift container platform (OCP), Docker Container, Kubernetes, GitHub Repository, MySQL, PostgreSQL, Influx DB, Grafana, Python/Shell Scripting, VB, MS Office, Advance Excel.

DEC-2016 TO MAR-2018

Software Developer/Tecxpert Software Pvt, Ltd., Noida

- Developed New module (Employee Training Module, HR Module, Ticket Management) for Office Management System (OMS) ERP.
 - Fixing the bugs and creating new features as per client request
 - Created various SQL functions, views and stored procedure for data extractions and data manipulations.
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Clients & Projects

Clients: Kwaliti Dairy, Umang Dairy, Mother's Pride Dairy, Priya Group, Gopal Jee Dairy, Shudha Dairy, MDFL Dairy, Jaipuria Dairy, Farmer Fresh.

Tools & Technologies

Visual Studio 2013/15, Telerik UI, SQL Servers Management System 2012/14, C#.Net, VB.Net, MySQL, MS Visual Source Safe, GitHub Repository, WordPress, PHP, HTML, CSS, JavaScript, ASP.Net Framework, SAP Crystal Report, etc.

Skills

SQL, ASP.Net, C-Sharp, Visual Basic, C++, Java, HTML, CSS, JavaScript, GitHub Repository, MySQL, MS Office, Advance Excel, WordPress, PHP, WAMP/XAMP Servers, Visual Source Safe

System Engineer/One97 Communication (Paytm), Ltd., Noida

- Master and Mirror Server, USSD Server Issue, IVR and IBD Server, Data Collection
- Memory, Links and E1s of Server, Base Uploading, Prompts Uploading, Continuous
- **Solutions:** Resolve the High usage of disk or partition, Logs for the IVR call, Kannel logs and Router logs.
- **Activities:** Board Restart (Contarra, VXML) Activity, Server Restart activity etc.
- **L1 Analysis:** Trend Analysis through various reports and auto generated alert mails.
- **Script Writing:** Writing the scripts in Shell Scripts to execute MySQL query on DB servers to collect the related data, Script for data automation, etc.
- Gathered information for USSD servers, VAS services, IVR servers, IBD servers, to perform L1 analysis to find the RCA.

Clients

Clients: Vodafone India, Idea, Airtel, Aircel, Telenor, Reliance.

Tools & Technologies

Linux (VXML) & Windows Server (Contara), EGL GUI (Realtime Alert Interface), MySQL DB, UTRS Ticketing Tools, etc.

Education

MAY 2012

Bachelor of Technology in Computer Science & Engg. /Rajasthan Technical University, Kota

Degree	Board/University	Year of Passing	Percentage
B.Tech.(CSE)	Rajasthan Technical University, Kota	2013	70.55 (Hons.)
H.S.C.	BSEB, Patna	2008	59.80
S.S.C.	BSEB, Patna	2006	78.70

Activities/Hobbies

- Playing Outdoors/Indoors Sports
 - Sports Organizing/Social Work
 - Cooking
 - Driving
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Achievements

- Recognized as **Best Performer of the Year** for leading the successful onboarding and implementation of FinOps services for a key client, driving cloud cost transparency, governance maturity, and operational & business excellence.
 - Provided capacity planning insights and infrastructure performance analytics to the Architecture team, strengthening client confidence and contributing to customer retention and contract renewal.
 - Secured first academic position in 10th board exam (School).
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Personal Strength

- Comfortable with working on a new set of challenges for different industries.
 - Adaptable to change.
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Personal Details

Name : Rakesh Ranjan Singh
Mother's Name : Janki Devi
Father's Name : Baban Prasad Singh
Present Address : M-203, Zinnia, Magarpatta City, Hadapsar, Pune

Date: 03rd Mar 2026

Place: Pune

Rakesh Ranjan Singh