VENKATA SIVA PRASAD REDDY BHUMI REDDY

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SUMMARY

Expert in driving digital transformation, delivering strategic value, and aligning technology with business objectives.

* **20+ years of experience** in IT strategy, solution architecture, and engineering leadership, focusing on large-scale digital initiatives that transform business operations.
* Proven ability to **lead multimillion-dollar engagements**, delivering enterprise-grade solutions across banking, ecommerce, supply chain, and utilities.
* **Dynamic leadership**: 15+ years managing cross-functional, domestic, and offshore teams, delivering high-quality products within **aggressive timelines** and **budgetary constraints**.
* Skilled in **budget planning**, **resource allocation**, and optimizing operational efficiency, delivering technology initiatives that meet both **strategic objectives** and **financial targets**.

**Enterprise Architecture & Cloud Strategy**:

* Practicing **TOGAF** and skilled in designing adaptive, scalable architectures that align IT with evolving business strategies.
* Deep expertise in **cloud-native** and **cloud-agnostic architectures**, leveraging **Rancher, OpenShift, and PCF** to build flexible, **hybrid cloud solutions** across **multi-cloud environments** (AWS, Azure, GCP). Proven success in driving **cloud migration**, implementing high-availability infrastructures, and optimizing for both scalability and operational efficiency.

**AI & Emerging Technologies**:

* Proven ability to lead **AI-driven innovations** leveraging **GPT, LLMs,** and **RAG** to enable data-driven insights, automate workflows, and enhance competitive advantage.
* Spearheaded AI-powered solutions with **natural language processing**, **predictive analytics**, and **generative AI** models that transformed business decision-making.

**FinOps & Cost Optimization**:

* Designed and implemented **cloud-agnostic solutions** with integrated **FinOps strategies**, optimizing cost-efficiency across diverse infrastructures such as **OpenShift** and **Rancher**.  
  Proficient in **maximizing cloud investments** by strategically balancing **scalability** and **cost control**, leveraging **real-time monitoring** and analytics to drive resource efficiency and ensure financial alignment with business objectives.

**Microservices & Application Modernization**:

* Led the modernization of monolithic architectures, implementing **microservices** based on **Domain-Driven Design (DDD)** and leveraging **containerization** (Docker, Kubernetes).
* Delivered mission-critical, cloud-native applications with **continuous delivery pipelines** using **CI/CD**, **DevOps**, and **GitOps** methodologies for rapid deployment and scalability.

**Big Data & Analytics**:

* Expertise in **data architecture** and deploying **Big Data platforms** (Hadoop, Spark) for enterprise analytics, leveraging data for actionable insights and **real-time decision-making**.
* Integrated AI/ML models with enterprise systems to improve predictive capabilities and data utilization at scale.

**Budgeting & Financial Oversight**:

* Expertise in **budget management**, controlling costs for large-scale, multi-million-dollar projects, and aligning technical investments with business goals through **FinOps** and cost-saving strategies.
* Skilled at **resource planning** and ensuring engineering projects stay within **budget** while meeting **quality** and **timeline goals**.

**Strategic Planning, Execution & Stakeholder Engagement** :

* Proven ability to translate business strategies into actionable engineering roadmaps, ensuring **scalability**, **reliability**, and **innovation** across platforms.
* Extensive experience leading **proposal writing (RFPs)**, **contract negotiations**, and securing **multimillion-dollar contracts**, ensuring cost-effective, scalable solutions aligned with client objectives.
* Effective in working with **C-suite executives**, stakeholders, and cross-functional leaders to drive **technology transformation** and align with **business objectives**.

Areas of Strengths & Expertise

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| --- | --- |
| **Programming** | |
| Languages | Java, Python, Scala |
| Middleware | Java, Java EE, EJB, Servlets, Webservices (SOAP/REST), SOA, MQ, Kafka, Active MQ, Mulesoft, Oracle Coherence, Hazelcast, Memcached, Weblogic, Websphere, Spring Boot |
| Microservices Methodologies and Cloud Monitoring | Domain Driven Design, Microservices, Service Mesh, Istio, Opentracing, Jaeger, Zipkin |
| ORM | Hibernate, Mybatis, Spring JDBC, Spring JPA |
| Database | Oracle, MongoDB, MySQL and DB2 |
| BigData | Hadoop, Hive, PIG, Sqoop, Zookeeper |
| UI | HTML, JSP, JavaScript, JQuery, Ext JS, Angular, Selenium, Angular 2/8 |
| AI/Machinelearning | NLP, Spark, TensorFlow, Keras, Panda, LLM, GPT, RAG |
| BI | Oracle Business Intelligence (OBIEE), Tableau |
| **DevOps** | |
| Git, Gradle, Maven, Jenkins, Hudson, Cucumber, SonarQube, Artifactory, Nolio, Serena, Kubernetes, Terraform, Puppet, Ansible, Openshift, Rancher, Docker, GitHub Actions, Azdo Pipelines | |
| **Cloud** | |
| AWS | EC2, ECR, ECS, Fargate, Cloudwatch, ALB, RDS, S3, Glacier, IAM, VPC, Route 53, CloudFormation |
| Azure | Azure Virtual Machines, AKS, Azure Storage Block/Disk/Standard Archive, Virtual Network |
| Tools and Frameworks | |
| Eclipse, Intellij, Atom, Putty, JIRA, Confluence, Git and Plugin Development | |
| **Scripting** | |
| Shell, Terraform, Groovy and Python | |
| **Leadership and Management** | |
| Project Management, Change/Release Management, SAFe Agile, Team Building, Technology Training, Budget Oversight & Cost Savings, Revenue Growth & Strategic Impact. | |

EDUCATION

* Master of Computer Applications, J.N.T. University, Hyderabad, India.
* Bachelor of Science in Computer Science, S.V. University, Tirupati, India.

Senior Solutions Architect/Client Partner

Experis

July 2020 to till date

* Led architecture and proposal efforts (RFPs), designing high-impact software solutions that generated over **$16M in annual revenue**, aligning technical innovation with business growth strategies.
* Played various roles - Solution Architect, Client Partner and Delivery Manager for various clients - Kroger, Starbucks, GMR, SS&C, Lowes, Purolator and NI.
* Architected a predictive delivery system that forecasts customer needs and automates stock replenishment by seamlessly integrating with **Ocado** and **Kroger**. This solution enhanced supply chain efficiency and optimized inventory management, driving proactive fulfillment and reducing stock shortages.
* Act as a trusted advisor to clients, offering insights, recommendations, and solutions to help them achieve their goals. Identify upsell and cross-sell opportunities by understanding clients' evolving needs and presenting relevant products or services.
* Spearheaded the transformation of **Java-based monolithic applications** into scalable, manageable **microservices architectures**, while also modernizing **legacy mainframe systems** into cutting-edge **cloud-native solutions**. Directed comprehensive **cloud migration** efforts and implemented **FinOps** strategies to optimize cloud spend and resource management. Additionally, played a **hands-on role** in developing the underlying frameworks, ensuring seamless integration and long-term scalability of modernized systems.
* Stay informed about industry developments and competitor activities to anticipate changes in the market and adjust strategies accordingly. Lead contract negotiations, renewals, and expansions, ensuring favorable terms for both the client and the company.
* Cultivate and maintain strong relationships with key clients, serving as the primary point of contact for all inquiries, requests, and issues.
* Drive client success by collaborating closely with IT management to develop innovative technical strategies and deliver top-tier technical expertise. Excel in assembling agile, high-performing project teams while overseeing talent acquisition through comprehensive technical interviews. Manage diverse revenue streams and ensure ongoing alignment with client objectives by providing valuable insights and feedback to both clients and executive leadership. My proactive approach fosters strong relationships and instills confidence in stakeholders, ultimately contributing to the achievement of strategic business goals.
* Created Cloud infrastructure in Azure using Terraform. Azure services used - Virtual Network, App Services, Storage BLOBs, Docker, Azure SQL, Azure Monitor, AppInsights, Azure Dashboards, Azure EventHubs, App Registration and Service Principals.
* Created CI/CD pipelines using Azure DevOps Pipelines and GitHub Actions.
* Created POCs on Mobile applications using Kotlin and Swift and presented to clients.
* Developed Microservices on .NET Core and CosmosDB.

Senior Principle Consultant (Technical Architect/Senior Project Manager)

Genpact

February 2020 to July 2020

* Monitor client satisfaction and proactively address any concerns or issues to ensure a positive client experience. Develop and execute account plans to achieve revenue targets and drive growth opportunities with existing clients.
* In my role, I collaborate with client IT management to shape technical strategies and deliver advanced technical solutions. I set up offshore, nearshore, onshore, and rightshore teams tailored to client technical and budgetary needs. I build and manage both short-term and long-term project teams, oversee talent acquisition through technical interviews, handle revenue management, and consistently provide feedback to clients and senior leadership.
* Lead the team of Application Monitoring Tools for SAP and SOA integrations. Designed an event based model to capture data points from various sources - HANA, Process Integrator (PI) and SOA through Apache NiFi workflow processor and posts data into ElasticSearch.
* Managed ElasticSearch instances - created indexes, shards and Kibana Dashboards.
* Created CI/CD pipelines for Java and Angular applications. Managed full life cycle of application development, deployments and process management for applications developed in Java, Angular, Kafka and Postgres.
* Created and Managed infrastructure activities and created/deployed applications in Amazon EC2, Fargate, ECS, ECR, Docker, Kubernettes, S3, VPC, CloudWatch, EFS, Kafka, ElasticSearch and DynamoDB.

Manager (Technical Architect)

Capgemini USA Inc.,

October 2014 to December 2019

* Lead the team of automation, designed and developed microservices using SpringBoot, Restful API, Swagger, Selenium, Docker, Kubernetes, OpenShift and Oracle.
* Designed and created automation dashboards and user interfaces using Angular 4, SpringBoot and Bootstrap.
* Provisioned EC2, RDS instances through Ansible and also managed multiple deployments and configuration changes through Ansible Playbook. Roles and Tower.
* Implemented Microservices applications and deployed them in Azure PCF. Developed Terraform templates for Azure cloud creation, IAM roles and MySQL database. Have leveraged Azure DevOps for CI/CD pipeline that will deploy applications into PCF. Created alerts using CloudInsights.
* Created a common integration platform for all Webservices communication across the organization using Mulesoft, successfully migrated the APIs from Datapower to Mulesoft ESB that secures the webservices communication through tokens.
* Created API specifications in RAML transformed data with DataWeave and implemented registry discovery.
* Worked with DevOps to provide consensus to build enterprise application and automation tools that are adaptable and in synchronization with ever changing business needs.
* Created CI/CD Pipelines using Gitlab and Jenkins, developed Gradle and Maven scripts to bundle the applications, test the Integration test cases and publish the artifacts into artifactory.
* Led development and designed the application called FileHub that orchestrates, enriches and validates the Spark remittance messages from different clients and stores into OMNI for record keeping after carving and delivering the multivendor data to respective vendors.
* Developed online application and dashboard using Angular 2.
* Created fully automated CI build and deployment infrastructure and process for multiple projects using Docker, Jenkins, VMWare, RHEL, OpenShift, Kubernetes, Artifactory, Ansible and GitLab.
* Developed Docker images to support Development and Testing Teams and their pipelines; distributed Jenkins, Selenium and JMeter images, and ElasticSearch, Kibana and Splunk.
* Effectively planned and managed a conglomerate of development and testing teams over hundred members delivering the quality in time and staying with in the budget.
* Implemented in memory grid computing for huge batch file processing using Oracle Coherence’s Queries, Parallel Processors and Aggregators.
* Managed and provided technology solutions to Communication Platform that delivers communication to different customer channels to improve the application performance that uses swimlanes for priority/realtime while processing the regular batch load.
* Converted monolithic applications into microservices using REST API, MongoDB, OpenShift and Docker.
* Initiated and developed a long term strategic roadmap for output management system around data and analytics that will be used in reconciliation of entire communication platform messages using Hadoop, Sqoop, Hive and PIG.
* Initiated, designed and developed an event-based file tracking system using log4j and Splunk. Also lead the project to create splunk dashboards for various requirements.
* Implemented Tableau Web data connector (WDC) to export the data using Restful APIs.
* Designed and Developed TraiageBOT application using Machine Learning algorithms which will automate anomaly detection and fixes for those identified issues to reduce the environment downtime increasing resilience and availability.

Programmer Associate (Technical Lead)

Ness USA Inc.,

July 2013 to October 2014

* Worked on multiple projects that reengineers from legacy COBOL to Java/Java EE including upgrades and modifications for the online and internal benefit calculation system.
* Initiated, designed and developed a new Functional Equivalence Tool(FET) that minimizes the QA cost and increasing the development productivity by automating the test suites. It has saved nearly 1M dollars on the project budget leveraging development effort than QA.
* Introduced Enterprise Solution Architecture competency to look across all the tech skills in use at NewHeights and ensure strategic alignment with business goals and drive toward supporting an Omni-channel approach to supporting customers.
* Developed scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash.
* Developed Eclipse Plugins for proprietary code generation that will ensure the developers to adhere to the frameworks and coding standards.
* Drive weekly steering committee meetings, prepare and present program updates to the key stakeholders.
* Worked in an agile environment and using a technology stack of Java, Java EE, EJB 3.0 Primefaces, Mybatis, Webservices, DB2 and Zo/s.

Technical Architect

Maestro Technologies

October 2010 to July 2013

* Lead multiple highly complex and cross functional products and assist with development, strategic planning, research, testing, auditing, impact analysis and execution of all new existing project initiatives, focusing Revenue Assurance requirements.
* Lead and mentored in analyzing stories/requirements/mockups and discuss/clarity with stakeholders, Project Manager and other Development Leads.
* Established process and standards in database design and development.
* Provided technical direction to the teams and ensured the team adherence to ITSM and SDLC needs, created and presented monthly Metrics and Scorecards to IT leadership team.
* Managed Vendor Relationships – Build and monitored SLA’s/SLO’s, Measured quality and timelines of delivery, provide periodic feedbacks and Evaluated Performance.
* Designed and developed a flexible and highly dynamic reconcile framework that incorporates robust processing and printing files of any type using Multithreading and Open Office frameworks.
* Worked in an agile environment and using a technology stack of Java, Java EE, EJB, Spring, Struts, Mybatis, Hibernate, BPEL, Webservices and Oracle.

Lead Developer

Cognizant Technology Solutions

September 2009 to August 2010

* Responsible for transforming the Business Requirements into Technical documents, End to End Database solution design, developing complex business logic/log patterns, drive/coordinate the delivery of technical tasks.
* Designed and developed workflows using SOAP Webservices and orchestrated by Oracle ESB/BPEL for a complex Claim Management product that receives a variety of messages and a variety of channels -Pathways, Autoverse etc.,
* Designed and developed an automated unit and integration testing framework using TestNG, that will be used by team members leveraging the development process and minimizing the developer test.

Senior Developer

Oracle Ltd.,

March 2008 to September 2009

* Lead developer in a world’s best Banking platform FLEXCUBE in reengineering the components from Oracle to Java, Oracle Forms to ADF using best in industry practices and standards.
* Actively worked with business analysts in documenting the requirements for new enhancements customizations that includes DB2 as database for National Australian Bank (NAB) and Australian and New Zealand Banking Group (ANZ).
* Coached and mentored the team in various development strategies, techniques and new tools. My team has named me as Hibernate-Guru for teaching and supporting them in learning.
* Worked in an incremental SDLC model using the technology stack of Java, EJB, Hibernate, Struts, ADF, SOA, ESB, BPEL, Webservices, Oracle and DB2.

Senior Developer

Polaris Financial Lab Ltd.,

December 2006 to March 2008

* Strategic Developer for an inhouse Automated Clearing House (ACH) product which processes both SWIFT and SEPA messages and delivers to the destinations like Citi Direct (CD) with in the given SLA.
* Involved in requirements gathering when they were unclear to BA and nearing the project deadlines.
* Designed and developed a rule engine, Message Rule Engine (MRE) that will be used to validate the incoming messages and also used for expression evaluation in message routing.
* Worked in Waterfall development model using the technology stack of Java, EJB, Struts, Servlets, Multithreading, Hibernate and Oracle.

Java Developer

Dollinsoft Inc.,

May 2005 to November 2007

* Interacted with various Client Business Analysts and Managers for planning and analyzing the business needs and requirements, product impact and GAP analysis.
* Coordinated between teams for developing and delivering the enhancements and customized solutions.
* Created rich user interfaces for Personal Banking Solutions using CSS, Servlets, Struts and JavaScript.
* Developed in Waterfall SDLC model using a technology stack of Java, XML, Servlets, EJB, Struts and Oracle.