**Vamsi Lagadapati**

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 **SAP BTP Consultant**

**Professional Summary:**

SAP BTP Consultant with 7 years of full-cycle experience in designing and developing enterprise-grade applications using **CAP with Node.js**, **SAP HANA Cloud**, and **SAP Business Application Studio (BAS)**. Proven track record across finance, procurement, HR, and logistics domains, delivering scalable backend services, real-time integrations, and cloud-native apps on **Cloud Foundry**. Deep expertise in **SQLScript**, **CDS views**, and **stored procedures**, along with hands-on implementation of **role-based security**, **CI/CD pipelines**, and **OData/REST APIs**. Skilled in debugging with logs and traces, SAP Build Apps, and Fiori/UI5 for end-to-end application delivery aligned with SAP’s cloud-first strategy.

|  **Category** | **Skills** |
| --- | --- |
| **SAP Integration & Development** | SAP BTP, CPI (Cloud Platform Integration), SAP PI/PO, SAP ABAP (Reports, BAPIs, BADIs, Enhancements, User Exits), SAP IDOC, RFC, Proxy, Web Services, A2A & B2B Integrations |
| **Integration Technologies & Adapters** | SOAP, REST, OData, HTTP, SFTP, AS2, JDBC, JMS, Mail, SuccessFactors, Ariba, Salesforce Connectors, API Management, SAP Gateway |
| **Project & Implementation** | Full Life Cycle Implementation (Design, Development, Deployment, Support), Integration Architecture & Solution Design, Waterfall & Agile (Scrum) Methodologies, Performance Tuning & Troubleshooting |
| **Cloud & Database Technologies** | SAP HANA, SQL, JDBC-based DB Integrations, Azure Cloud Services & Deployments, CI/CD Pipelines & DevOps for SAP Integrations |

**PROFESSIONAL EXPERIENCE:**

**Master Card, Washington DC. July 2024-Present**

**SAP BTP Consultant**

**Roles & Responsibilities.**

* Developed and deployed end-to-end applications using the SAP Cloud Application Programming Model (CAP) with Node.js on SAP BTP.
* Designed scalable backend services and APIs leveraging CAPM, CDS, and SAP HANA Cloud as the persistence layer.
* Built and maintained SQLScript-based stored procedures, functions, calculation views, and data models on SAP HANA Cloud.
* Utilized SAP Business Application Studio (BAS) for full-cycle application development, using catalog, SQL Console, and trace analysis.
* Implemented Cloud Foundry security models, configuring roles and privileges to ensure secure and compliant cloud application access.
* Integrated Node.js-based CAP apps with SAP HANA Cloud, enabling real-time transactional and analytical use cases.
* Developed applications using strong JavaScript and Node.js capabilities, following modular and scalable design patterns.
* Led debugging and performance analysis using BAS traces and BTP monitoring tools.
* Created and exposed RESTful APIs from CAP apps using SAP API Management and secure token-based authentication.
* Implemented robust CI/CD pipelines and DevOps practices for SAP BTP deployments, integrated with GitHub Actions.
* Worked on Core Data Services (CDS) for entity definitions and service projection in CAP-based services.
* Applied deep knowledge of SAP Cloud Foundry architecture, space management, and service binding for multi-environment deployments.
* Implemented SDA/SDI-based data integration from external on-premise sources into HANA Cloud.
* Created role-based Launchpad apps integrated with CAP services, utilizing Fiori Launchpad on SAP BTP.
* Used PL/SQL and SQLScript for business logic execution, reporting layers, and data enrichment within HANA Cloud apps.
* Developed UIs using SAP Fiori Elements and SAPUI5 for extending CAP-based applications.
* Migrated BW on HANA logic to HANA Cloud with redesigned views and services under CAP architecture.
* Integrated SAP BTP services with third-party platforms using OData, REST APIs, and secure endpoints.
* Conducted HANA data model performance tuning using indexes, views, and data load optimization.
* Collaborated across four end-to-end project cycles, contributing to architecture design, development, debugging, and go-live support for BTP-native solutions.

**FLVS, Orlando, FL . July 2022 — June 2024**

**SAP BTP Developer.**

**Roles & Responsibilities:**

* **Designed, developed, and deployed cloud-based applications using SAP BTP with a strong focus on the Cloud Application Programming Model (CAP) and Node.js.**
* **Developed custom backend services with Node.js and integrated them with SAP HANA Cloud, ensuring smooth data flow between cloud applications and databases.**
* **Utilized SAP Business Application Studio for rapid development and testing of cloud-based applications, managing catalogs and leveraging SQL Console and Trace features.**
* **Implemented complex SQL scripts and PL/SQL stored procedures to transform and load large datasets into SAP HANA Cloud for real-time analytics.**
* **Worked on HANA Cloud development, including the creation of calculation views, designing tables, and managing data loads for efficient data processing.**
* **Integrated SAP Cloud Foundry with cloud-native applications, optimizing deployment pipelines, and ensuring secure and scalable cloud infrastructure.**
* **Managed SAP Cloud Foundry features, including application deployment, resource management, and troubleshooting performance issues in the cloud environment.**
* **Developed reusable data models using Core Data Services (CDS) to ensure consistency in data retrieval and processing across multiple applications.**
* **Implemented role-based access control (RBAC) and data security protocols within SAP Cloud Foundry, ensuring secure application access and user privileges.**
* **Utilized SDA, SDI, and ST concepts to connect SAP HANA Cloud with external systems, enabling seamless data integration and real-time synchronization.**
* **Built, deployed, and optimized Node.js applications with CAP for cloud environments, enhancing application performance and data handling.**
* **Debugged cloud applications using logs, traces, and SAP Business Application Studio's built-in debugging tools to identify and resolve issues.**
* **Collaborated with cross-functional teams to design integrated solutions using SAP HANA Cloud, SAP BTP, and other cloud services to meet business needs.**
* **Enhanced cloud application security by configuring encryption protocols, access control, and ensuring compliance with data protection standards in Cloud Foundry.**
* **Integrated SAP Fiori/UI5 front-end applications with SAP HANA Cloud, improving user engagement through dynamic and responsive user interfaces.**
* **Deployed and monitored SAP HANA Cloud applications, ensuring optimal performance and high availability by fine-tuning SQL queries and configurations.**
* **Implemented best practices for cloud application development, including efficient data modeling, robust error handling, and performance optimization.**
* **Created automated data integration workflows using SAP Data Intelligence (SDI, SDA) to enhance real-time data processing and system interoperability.**
* **Provided mentorship and technical guidance to junior developers on SAP BTP, HANA Cloud, Node.js, and CAPM best practices.**
* **Collaborated with business analysts and product owners to deliver cloud-based solutions tailored to specific business requirements, driving operational efficiency.**

**Bank of New York Mellon, New York, NY Jan 2021 — June 2022**

**SAP Cloud Platform Developer.**

**Roles & Responsibilities**

* Developed and maintained SAP HANA Cloud solutions, optimizing databases for transactional processing and analytics.
* Used SAP Business Application Studio to create scalable and maintainable applications with integrated debugging tools.
* Designed and implemented complex SQL functions and procedures for processing large datasets, improving system performance by 30%.
* Collaborated with cross-functional teams to integrate SAP HANA Cloud solutions with external data sources using SAP Data Intelligence (SDI, SDA).
* Implemented role-based access control (RBAC) for secure application access and ensured compliance with data security protocols in Cloud Foundry environments.
* Created and optimized calculation views in SAP HANA Cloud for advanced analytics, reporting, and dashboard creation.
* Developed Node.js applications with integrated CAP model to provide dynamic, RESTful APIs for frontend communication.
* Optimized cloud infrastructure for SAP HANA deployment, ensuring seamless data processing and lower operational costs by 20%.
* Utilized Core Data Services (CDS) to define reusable and efficient data models for SAP applications, reducing redundancy and improving data access.
* Managed application security and user authentication using SAP Cloud Foundry services, ensuring compliance with global data protection standards.
* Participated in the configuration of SAPUI5 applications, improving user engagement with rich, responsive web interfaces for SAP applications.
* Designed and deployed automated data integration processes using SAP SDI and SDA to streamline data movement between on-premises and cloud environments.
* Collaborated with SAP UI5 developers to integrate backend logic with frontend user interfaces, ensuring seamless data flow in SAP applications.
* Improved system performance and reliability by debugging application issues using SAP Business Application Studio’s integrated logging and tracing tools.
* Worked with Cloud Foundry’s database management tools, ensuring smooth operation of deployed applications and fast database queries.
* Implemented real-time data synchronization between SAP Cloud and SAP S/4HANA, improving data integrity and decision-making capabilities.
* Created and managed multiple business scenarios on SAP HANA Cloud to support different business functions such as finance, procurement, and sales.
* Assisted in migrating legacy SAP applications to SAP BTP, reducing deployment time by 25% through automation and enhanced cloud infrastructure.
* Collaborated with business stakeholders to develop tailored solutions based on SAP BTP, SAP HANA Cloud, and CAP Model, improving business outcomes by enabling faster insights and decision-making.

**CPG, Hyderabad, India Jan 2018 – Dec2019**

**SAP Cloud Platform Developer,**

**Roles & Responsibilities**

* Designed, developed, and deployed cloud-native applications using Cloud Foundry, focusing on scalability, security, and data integration.
* Utilized Cloud Application Programming Model (CAP) with Node.js for creating scalable backend services and APIs for cloud applications.
* Worked with SAP HANA Cloud to design and implement database structures including tables, calculation views, and complex data loads for performance optimization.
* Developed robust SQL and PL/SQL scripts to automate data transformations, calculations, and integrations within cloud databases.
* Created and managed reusable data models using Core Data Services (CDS) for optimized data access across cloud applications.
* Utilized SAP Business Application Studio to rapidly develop cloud applications, manage catalogs, and conduct debugging with integrated SQL console and trace tools.
* Implemented Cloud Foundry security measures, including role-based access control (RBAC) and secure privilege management, to safeguard cloud applications and data.
* Collaborated with cross-functional teams to integrate SAP HANA Cloud and external systems, ensuring smooth data flows and real-time analytics.
* Built and optimized data integration processes using SAP Data Intelligence (SDI, SDA) for seamless synchronization between on-premises and cloud systems.
* Developed and maintained backend services using Node.js and CAP to provide real-time APIs, enhancing application interconnectivity and user experiences.
* Designed and developed cloud-based applications with a focus on high availability, ensuring 99.9% uptime through optimized cloud infrastructure.
* Configured and maintained Cloud Foundry applications, focusing on efficient resource utilization and cost management.
* Created detailed troubleshooting strategies using logs and traces, reducing system downtime by quickly resolving cloud application issues.
* Implemented end-to-end solutions with SAP HANA Cloud to meet real-time business requirements in data processing, improving operational efficiency.
* Enhanced cloud application performance through performance tuning, including optimizing SQL queries and adjusting configurations for better throughput.
* Worked closely with business stakeholders to develop tailored cloud-based solutions that addressed specific business needs and enhanced decision-making.
* Managed cloud application security through the implementation of encryption protocols and access control measures in Cloud Foundry environments.
* Worked with Agile teams to develop and deliver cloud-based services, contributing to iterative releases that ensured high-quality deliverables.
* Integrated SAPUI5 frontend solutions with cloud-based backend services, improving the user interface and overall user experience.
* Mentored junior developers on cloud development best practices, including security configurations, performance optimization, and CAP model utilization.

**Education Details:**

* Masters in **computer information systems and information technology** from **University of Central Missouri (2020 – 2021)**