

VINU KURIAN

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<https://vinu-kurian.github.io/index/>

https://people.sap.com/vinu_kurian

Career Objective

Looking for an organization where I can enhance my knowledge and use my academic learning to give my best to the organization.

Work Experience

- Working as Software Engineer at **InnoVaL Digital Solutions Pvt Ltd**, Trivandrum from Nov 1st, 2018 – till date.

Experience Summary

- A Versatile Consultant with 2 years of end-to-end Business Analysis and Business Intelligence expertise in full software life-cycle implementation and experience as SAP Cloud Platform - ABAP Environment Consultant and SAP Analytics Cloud (SAC) Consultant.
- Areas of Expertise/Knowledge: SAP Cloud Platform – ABAP Cloud Environment, ABAP Cloud, Data Dictionaries, CDS views, Custom entities, Function Modules, Table and Master Data Creation, SAP Analytics Cloud, Planning using SAC, Data Visualization using SAC, Interactive Dashboards, KPIs, Charts, Reports, etc., Data Models, Analytic Application, Stories, Data Sets.
- Expert understanding of SDLC processes and Agile flavoured development Methodologies.

Education

COURSE	INSTITUTION	BOARD/UNIVERSITY	YEAR OF PASSING	MARKS SECURED
MCA	Nirmala College , Muvattupuzha	Mahatma Gandhi University, Kottayam	2018	72.46%
BCA	Yeldo Mar Baselious College Kothamangalam	Mahatma Gandhi University, Kottayam	2016	70%
Plus Two	De Paul EMHSS Thodupuzha	Board of Higher Secondary Examination, Kerala	2013	73%
S.S.L.C	St.Xaviers public School Pothanicadu	Central Board of Secondary Education ,Delhi	2011	84%

Technical Skills

- Technologies: **SAP CLOUD PLATFORM (ABAP STACK), SAP Analytics Cloud, SAP UI5, HTML5, CSS3, JavaScript, Bootstrap4, NodeJs**
- Web: **Firebug, Browser Compatibility Testing**
- Version Control Tools: **AWSGIT, SVN**
- Web service: **AWS, REST, ODATA V2**
- Development Tools: **VS Code, Eclipse**
- Databases : **SAP HANA ,My SQL,SQL lite, MongoDB, Google FireBase**
- Project Management Tool: **Whizible**
- Operating System: **Windows 10,Ubuntu 18.04 LTS , Mac OS Mojave**

Personal Skills

- An effective communicator with excellent relationship building and interpersonal skills.
- Strong analytical, problem solving & organizational abilities.

PROJECT PROFILE

- **Project #1: (InnoVal)**

Title	: OptiEximc
Duration	: 1.8 years
Team size	: 20
Role	: Developer & Architect
Frontend	: SAP UI5.
Backend	: SAP CLOUD ABAP Stack.
Database	: SAP HANA
Development Tools	: Eclipse, SAP GUI, Whizible(Project Management tool)
Client	: BASF India Ltd.

Project Description:

OptiEXIMc digitally enables and facilitates compliance of the export and import process of the organization with real time notification and analytics for business decisions.

The solution is built on SAP cloud platform that seamlessly integrates with standard on-premise digital core of SAP (ECC or S/4HANA or S/4HANA cloud) or

other ERP system processes for Exports Sales data and Imports Purchase data for all the requisite documentation.

Responsibilities:

- Collecting the requirements from the client as well as senior managers and analysing application architecture.
- Design of the backend and Cloud cockpit .
- Creation of Domains , Data elements , Tables , CDS views , Custom Entities, Behaviour Implementations , Behaviour Definition , Service Definition , Service Binding and Communication Scenario.
- Created and Implemented the entire Authorization part using Authorization Fields , Authorization Objects , IAM-Apps , Catalogues , Catalogue Assignments , Roles and Access Controls in backend, Business User creation, Role Creation and Role Assignment in cockpit for backend data .
- Creating Business Users, Role Creation, Group Assignment , Role Assignment and App Assignment for frontend users.
- Controlling the business flow of Documents using custom document status table and custom status flow table.
- Developed a custom lock table to lock the documents being edited by other users and users have the permission to unlock their own locks (similarly like SM12 in SAP ERP).
- Done unit testing and code reviews for each and every module.
- Optimization of API Calls towards backend to reduce the network traffic.
- Design and Analysis of the application scenarios with the Backend development.
- Future updates on modules and Data optimization.

- **Project #2: (InnoVal)**

Title	: OptiEximc –KPI and Dashboards (Add-on Package of SAP Analytics Cloud for the existing products)
Duration	: 3 Months
Team size	: 4
Role	: Developer & Architect
Frontend	: SAP Analytics Cloud
Backend	: SAP CLOUD ABAP Stack.
Database	: SAP HANA
Development Tools	: Eclipse, SAP GUI,SAP Analytics Cloud, Whizible(Project Management tool)
Client	: BASF India Ltd.

Project Description:

From the data available from the OptiEximc SAP Product , We constructed a well informative dashboards and reports using many types of charts in SAP Analytics Cloud platform. Many types of charts and graphs are being used to convey a better understanding of the current situation.

Responsibilities:

- Collecting the requirements from the client as well as senior managers and analysing application architecture.
 - Understand the business requirements and identified gaps in different processes and implemented process improvement initiatives across the business improvement model.
 - Review, analyse, and business systems and user needs.
 - Creating Data Models and Data Sets.
 - Creating Stories, Analytic Application, Digital Boardroom and Predictive Scenarios in SAP Analytics Cloud.
 - Creating OData Connection with SAP ERP , SAP Cloud Platform and SAP Analytics Cloud.
 - Data Modelling and Data Visualization.
 - Develop and Design Dashboards and KPIs using different types of Charts, Tables, etc.
 - Schedule/Manage ETL of Data in SAC.
 - Export/Import SAC content from one system to another
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- **Project #3: (InnoVaL)**

Title	: OptiIntelliV (Back End)
Team size	: 4
Duration	: 4 Months
Role	: Developer
Platform	: Python , SQL, MongoDB.
Development	: Visual Code, SVN, Whizible (Project Management tool)
Tools	
Client	: Internal Purpose (Innoval)

Project Description:

This application is primarily meant for users who are unaware of SAP or business terms to look after or forecast their business data. With the help of AI/ML/NLP packages in python, presentation and understanding of business information stored in SAP is possible in the modes of charts and graphs. An attractive feature for interaction with system using Self-learning Chatbot is also incorporated.

The data will be fetched from the SAP backend database using RFC in specific time intervals and these data will be processed and converted based on certain set of rules. It will be saved either on in-memory SQL database or MongoDB database.

The real users of the system will interact through a web based chatbot like application / website in natural language. The queries then will be converted to either SQL queries or MongoDB queries with the help of certain NLP packages and Self maintained dictionaries which are either saved on in-memory SQL. The users will be presented with the requested data in their preferred medium like Table , Charts , Graphs etc. The chatbot will also suggest auto completion of the natural language query using a self learning mechanism.

The System also had a business forecasting system using a certain set of algorithms developed in house based on SAP data.

Responsibilities:

- Involved in backend development, creating, designing new modules and maintenance activities
- Monitoring the performance of the application and code reviewing
- Done unit testing and code reviews for each module.
- Creating High performance flask API's for each interaction like learning , prediction etc.

Seminar and Paper Presentation

- Presented a paper on “ Dyson Sphere “ At Fourth National Conference On Advanced Computing And Communication Technology Conducted At Santhigiri College Vazhithala Thodupuzha

Personal Profile

Name	: Vinu Kurian
Date of Birth	: 21 / 03/ 1996
Gender	: Male
Strengths	: Team Player, Adaptable, Zeal to learn
Father's name	: Kurian P.I
Mother's name	: Mary Kurian
Languages	: English, Malayalam, Hindi