

SURENDRA KUMAR ARATIKATLA

SAP CPQ Senior Technical Consultant, Full Stack Developer
Data Scientist, Web & Mobile App Developer

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PROFILE INFO

Experienced professional with 8.5 years of expertise in SAP CPQ, full-stack development, and data science. Proficient in developing web and mobile applications, web scraping, automation tools, Rest API integration, and data structures. Skilled in object-oriented programming, solution architecture, and delivering innovative solutions across diverse technical domains.



EXPERIENCE

2024-07 - PRESENT

Knack Systems and Services Private Limited, Hyderabad

Project - LBFoster Inc, USA

- SAP CPQ Consultant (Full Stack), Data Scientist

- Designed and built ML model for product recommendation, pricing estimations using SVM, GridSearchCV, Randomforest, and Logistic regression etc.
- Implemented seamless Integration between CPQ to S4Hana, CPQ to Sales Cloud V2 via CPI. Also working on VCP Models.
- Working on CPQ system design, UI Design and development, back end scripting, Restful custom API's creation, data maintenance, configuration products model building.
- Workflow, approvals, and ci-cd pipelines using Azure Devops server.
- Error handling, scripts optimizing, and auditing.
- Started exploring on BTP cockpit for applications development and integrations, and SAP Analytics Cloud for insights and reporting. Also AI, ML, and IoT services for innovation for project requirement models.

2023-05 - 2024-06

Knack Systems and Services Private Limited, Hyderabad

Project - PPG Inc, USA

- SAP CPQ Consultant (Full Stack), Web Development

- Worked on UI enhancements by creating new screen in CPQ.
- DB Access for data maintenance in new ui screen provided.
- Simple, configurable and parent child products creation. Product rules, product configurations, attributes, containers. Document generations.
- Integrations, Restful custom API's creation, backend scripting, workflow rules, approvals.
- Jira application used for user stories, deployment, and hyper care maintenance.

2022-01 - 2023-04

Knack Systems and Services Private Limited, Hyderabad

Project - Electrolux Inc, CA, USA

- SAP CPQ Consultant (Full Stack Developer)

- Developed custom Restful API's using object-oriented python scripts to integration of SAP CPQ quote engine to Mulesoft endpoint.
- Created UI Screens for handling pricing tables.
- Implemented products upload feature at cart table level.
- Products creation, custom and quote table maintenance backend scripting, workflow rules, approvals, document generation.

2021-06 - 2021-12

Knack Systems and Services Private Limited, Hyderabad

Project - Valmont Inc, CA, USA

- SAP CPQ Consultant (Full Stack Developer)

- Implemented Dashboard screen in CPQ using a set of KPI's to visualize the quotes, products and custom tableinfo as bar charts, Pie charts and linear charts.
- Created complete attribute creation using custom API's and integrated with S4 HANA to send an order.
- Integrated contacts, accounts and employees from CPQ to C4C, and ECC to CPQ account hierarchy.
- Backend scripting, workflow rules, approvals, document generation.



SKILLS

- SAP CPQ 2.0, 1.0, S4 Hana, CPS, C4C, Sales Cloud V2, BTP, Fiori
- Python, Iron Python, C, Java
- Data Science (ML & DL Algorithms), Pandas, Matplotlib, Numpy, Scipy, OpenCV, Jupyter notebook
- Java script, HTML, CSS, Bootstrap, JQuery, KnockoutJS
- Django, Flask, AngularJS, React JS
- React Native, Kivy
- Beautiful Soup, scrapy
- SQL, MySQL, SQLite, PostgreSQL, MongoDB, Azure Devops, Jira
- Data Structures, API's, GitHub
- TKInter, PyQt
- Selenium
- VSCode, Eclipse, Pycharm IDE's



EDUCATION

Master of Computer Applications

2013 - 2016 | JNTUK Kakinada University.

GPA: 71.64

Bachelor of Science

2010 - 2013 | R.K Degree College.

GPA: 80.60

Intermediate

2008 - 2010 | R.K Junior College.

GPA: 89.50

High School

Gayatri School

GPA: 84.00

2020-06 - 2021-05

Knack Systems and Services Private Limited, Hyderabad

Project - Autodesk Inc, CA, USA

- SAP CPQ Consultant (Backend Developer)

- Developed iron python scripts to achieve product information from cart table level to quote table level a selected line items, custom pricing, role up pricing for each price aspect, and also excel upload products from quote table level to cart table.
- Was involved in building End-to-End POC (Proof of concept) to achieve wholesale scenarios for various client requirements.
- Worked on responsive templates to create custom popup Functionality, custom buttons on product table to add packages into quote table while clicking the custom buttons.
- Deploying new developments as packets to other systems.

2019-06 - 2020-05

Knack Systems and Services Private Limited, Hyderabad

Project - AMAT (Applied Materials) USA

- SAP CPQ Consultant (Backend Developer)

- Involved in Replicated Master data from ECC to CPQ and sending contract from CPQ to CRM.
- Created complete attribute creation using custom API's and integrated with S4 HANA to send an order.
- Developed custom APIs using iron python scripts to demonstrate integration between SAPCPQ-CRM and SAP CRM to CPQ through web services.
- Maintaining all products into CPQ without duplicating.
- Enabled and utilized standard CPQ APIs(SOAP) for providing endpoint to CPI and Web Service teams.
- Backend scripting, workflow rules, approvals, document generation.

2018-01 - 2019-05

Searce Private Limited, Pune

Project - DISA Devotee Information System Administration

- Django Full stack developer

- Created project and disa devotee app in django.
- Implemented models for seva, devotees.
- Handled project and app URL's, UI templates for each page.
- Customized views as per client requirements.
- Involved in deployment.
- Prepared algorithms and documented.
- Environment : ·Python, Django, HTML, CSS, Java script, sqllite3, object-oriented programming, Pycharm IDE, VSCode, Github.

2017-05 - 2017-12

Searce Private Limited, Pune

Project - CEVA Logistics

- Python Automation Developer

- Created web based automation tools to consume manual effort.
- Implemented server side automation tools which help us to retrieve data from server side.
- Generated automate emails.
- Worked on generators, decorators, object oriented programming and data structured used.
- Interacted with DB using MySQL.
- Environment : Selenium, postgresql, GUI-Tkinter, CX_Freeze, Matplotlib, Telnet, VBA, Macros, Advanced Excel, Pychram IDE..

2016-10 - 2017-04

Searce Private Limited, Pune

Project - CEVA Logistics, Invoice

- Web Scrapping

- Scrapping the data from web sites into excel, csv or json.
- Wrangling the data using pandas.
- Visualization and graphical representing of data using matplotlib.
- Environment : BeautifulSoup4, postgresql, Scrapy, Jupyter notebook, pandas, Advanced excel techniques.



ACCOMPLISHMENTS

- Mobile app development : Created online store app. Currently working on product delivery app, near food app. Participated on
- WNS Hackthon Project (Analytics Vidhya) for data science projects.
- German Credit Analysis - The objective of the project was to build an automatic assessment of credit lending for a German Bank Earthquake
- Damage severity (INSOFE)
- College project : An Evolving Graph-Based Reliable Routing Scheme for VANETs: The project was about building communication channel between motor vehicles to optimize routing and reduce traffic by significant amount