

POLU SANKEERTHANA

+91 8008223372

✉ polusankeerthana@gmail.com

[in](#) [Polu Sankeerthana](#)

Career Summary

- Developer with 3 years of experience in developing back-end search applications.
- Proactive in understanding the root cause of a problem and work with others to consider a wide range of solutions before deciding on how to move forward.

Technology Stack

- Hands on experience in Java, Spring Boot, Spring Batch, Python, Azure Functions using Java, Azure Cloud, Mongo DB
- Search Relevancy Tuning, Algolia Search Engine, Coveo Search Engine, Elasticsearch Engine

Experience

- Designation : Developer
Company : TATA Consultancy Services
Duration : Nov 2020-Present

Certifications

- Microsoft Certified: Azure Fundamentals (az-900)
- Coveo Level Up Certified: Platform Developer Certification

Career Achievements

- Achieved **On The Spot Award** as an appreciation.
- One of the **winners of a hackathon** conducted by TCS.
- Received **On The Spot Team Award**.
- Received **Star of the Month Award** as an appreciation.

Project Details

1. Large semiconductor manufacturer (April 23-Till Date)

Customer is among the largest semiconductor manufacturer chain in Germany. E-commerce search of the customer is being built with Coveo as the core solution component. Solution was implemented for product search, job search, community page etc. Key Architecture components for the solutions include

- Coveo
- Java
- Spring Boot
- Python

My Responsibilities

- Solutioning for indexing the data to Coveo, displaying the results on web page fetching data from Coveo.
- Worked on indexing the data and configuration of the sources in Coveo platform.
- Worked on writing basic python extensions for indexing the data to Coveo.
- Worked on configuring the query pipeline, Machine Learning models such as Query Suggestions, Automatic Relevancy Tuning and Dynamic Relevancy Tuning in Coveo platform.
- Used connectors in Coveo like Sitemap, Generic Rest API, Push API etc for indexing the data.
- Worked on developing Spring Boot application for indexing the content and adding rules dynamically to Coveo platform.

Achievements

- Appreciation for the proactive work, problem solving and quick solutioning.

2. Large Pharmacy Chain (Feb 21-March 23)

Customer is among the largest pharmacy chain in US. E-commerce search of the customer was built with Algolia as the core solution component to implement Personalization, Analytics based typeahead, AI re-ranking etc. to improve the over user experience of the end user. Solution was implemented for product search, coupon search, weekly ad, category search, store search etc. Key Architecture components for the solutions include

- Azure Cloud
- Java
- Algolia
- Spring Boot
- Spring Batch
- Azure Functions
- Mongo DB

My Responsibilities

- Worked on developing Spring Boot application which fetches data from Algolia Search Engine for an e-commerce site and mobile app, has multiple end points.
- Worked on migration of Spring Boot application from using Elastic Search Engine to Algolia Search Engine.
- Worked on developing Spring Batch application to read the data from sources like Mongo DB, Azure blob files etc. and to index the data to Algolia Search Engine.
- Worked on developing code for Azure Functions using Java for indexing the data to Algolia Search Engine.
- Developed Azure Functions to read the data from storage queues, service bus queues, blob files etc. Worked on functions such as Service Bus Trigger, Queue Trigger, Timer Trigger, HTTP Trigger.
- Worked on fixing the bugs in the spring boot and spring batch applications.

Achievements

- Proactively worked on improving the code performance of spring boot end point and reducing the response time by 30%.
- Got appreciation for the work from the customer.

Education

- **Graduated Bachelors of Technology** in Electronics and Communications Engineering from Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana in the year 2020 with an aggregate CGPA of 9.9.

(Jawaharlal Nehru Technological University, Hyderabad, Telangana)

- **Higher Secondary Education** from Alhores Junior College, Karimnagar, Telangana in the year 2016 with an aggregate of 96.5%.

(Board of Intermediate Education, Telangana)

- **Secondary School Education** from Bhagavathi High School, Karimnagar, Telangana in the year 2014 with an aggregate CGPA of 9.3.

(Secondary School Certificate, Telangana)

Personal Info

- Father's Name : Polu Veeraiah
- Mother's Name : Polu Padma
- Gender : Female
- DOB : 08/03/1999
- Marital Status : Married
- Languages Known : English, Telugu, Hindi
- Hobbies : Reading books, listening music, dancing