Vijaya kumar Katta

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PERSONAL INFORMATION

Name	: Vijayakumar Katta
Birth Date	: 04 April 1986
Gender	: Male
Nationality	: Indian
Current Residence	: Tampa,FL,USA
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QUALIFICATIONS SUMMARY

Full Stack Developer & AI/ML Specialist with 17+ years in software engineering and 5+ years of applied data science experience. Holding an MS in Data Science from Bellevue University with expertise in NLP, LLMs (GPT/BERT), RAG pipelines, and ML deployment in AWS environments. Proven ability to lead end-to-end delivery — from scalable architecture and microservices to AI/ML-driven solutions using modern MLOps tools (Docker, Jenkins, LangChain). Adept at building intelligent applications using Java, Python, ReactJS, and cloud-native technologies.

EMPLOYMENT HISTORY

July 2014 – February 2023 JPMorgan Chase , Tampa, FL

Working as a lead developer

Roles assigned : Vice President, Lead Security Engineer

July 2014 – Jan 2023 Verizon data services/Cognizant, Tampa, FL

Worked as a senior developer at Cognizant , Currently deployed in client location (Verizon ,Tampa ,USA)

Roles assigned : Lead developer/ Dev Manager

October 2010 – June 2014 British Telecom(BT)/TCS, Hyderabad ,INDIA .

Worked as a I.T.Analyst at TCS , Worked for its clients (CenturyLink and British Telecom)

Roles assigned : Sr Java Developer

May 2010 – September 2010   Thrinaina informatics ltd., Secunderabad, India.

Thrinaina informatics ltd is a IT consulting company with projects in throughout the India

Roles assigned: Software developer.

June 2007 – April 2010 Unistring tech solutions pvt.ltd, Hyderabad, India.

Unstring tech solutions pvt.ltd is a product development company

Roles assigned : Application developer / Software engineer .

EDUCATION / TRAINING

2023-2025   Bellevue University

MS in Data Science.

Relevant coursework: Machine Learning, Deep Learning, NLP, Big Data Analytics, Statistics, Data Visualization, Cloud Computing.

Projects:

- Developed a text classification model using LSTM and BERT for sentiment analysis of Netflix reviews.
- Built a recommendation system using collaborative filtering.
- Created a RAG-based chatbot using OpenAI GPT-4 API and vector embeddings.

2003-2007   Kakatiya university, khammam, INDIA.

Bachelor's Degree(B.tech) in Computer science engineering.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Certified SAFe® 5 Practitioner
- Certified SAFe® 5 Advanced Scrum Master
- Data Science and Big Data Analytics (MITxPro)
- Oracle Certified Professional, Java EE 5 Web Component Developer.(O.C.W.C.D)
- Sun Certified Programmer for the Java 2 Platform 1.5. (S.C.J.P)

TECHNICAL SKILLS MATRIX

Key to Skills Matrix

4-extensive work experience 3-good work experience 2-average work experience 1-basic understanding

Skills (last 17+ years)	No. of Years	Year Last Used	Proficiency 4	3	2	1
Operating Systems						
Windows (all versions)	20	2025	*			
Linux(Fedora,Ubuntu,Redhat) and UNIX	20	2025	*			
Programming Languages/Development Tools						
Java (J2SE, J2EE)	20	2025	*			
Python	5	2025	*			
Hibernate	12	2025		*		
Web Services / Spring boot	10	2025		*		
AngularJS, ReactJS and NodeJS / MEAN Stack	4	2024		*		
Application Servers(JBoss ,Tomcat,WebLogic)	15	2021		*		
IDE's (Eclipse, STS, IntelliJ, Jupyter Notebook)	20	2025	*			
SQL,SQL Developer	8	2025		*		
Internet (HTML, CSS, XML, JavaScript)	20	2025	*			
Git, Svn	18	2025	*			
AI/ML/NLP/ LLM Skills						
NLP & Transformers (BERT, GPT)	2	2025		*		
PyTorch / TensorFlow	2	2025		*		
OpenAI / LLM APIs	1+	2025		*		
RAG / Embeddings / Vector DBs (FAISS, Pinecone)	1	2025		*		
ML Frameworks (scikit-learn, XGBoost, LangChain)	2	2025		*		
AWS ML Tools (Sagemaker, Lambda)	3	2025		*		
Distributed Training (Ray, MLFlow)	<1	2025			*	
Databases						
Oracle Server (10g)/ MySQL	8	2025	*			
Timesten 11g	2	2011		*		
Mongo DB	3	2022		*		
Miscellaneous						
Open cloud tools(Xdoclet,fsm)	2	2012		*		
Internet Tools (browsers, email, etc.)	15	2025	*			
Office Applications (MS Office)	15	2025	*			
Web Applications (Apache, WordPress, Joomla)	12	2025		*		
Infrastructure						
Amazon web services (AWS)	8	2025	*			
Azure Cloud	3	2023		*		
Docker and Kubernetes	4	2025		*		
CI/CD & DevOps (Jenkins, Jules, GitLab, Spinnaker, Artifactory)	8	2025	*			

PROFESSIONAL EXPERIENCES

Project	Global Technology Configuration Repository
Time Span	February 2023 to
Technologies	Java/J2ee, Spring boot, ReactJS, NodeJS, Lambda (Serverless), AWS, MySQL, Gitlab, jules and spinnaker
Role	Lead software engineer

The Global Technology Configuration Repository (GTCR) is a comprehensive application designed to serve as the system of record for configuration settings. It provides a centralized platform for managing these settings, ensuring that they adhere to security controls and compliance standards. GTCR offers a user-friendly interface that allows users to create, edit, and approve configuration settings, streamlining the entire process of managing security compliance.

GTCR is a robust application that centralizes the management of configuration settings, ensuring compliance with security controls and facilitating efficient management of security standards.

RESPONSIBILITIES:

- Led the design and implementation of core application features, ensuring scalable and secure architecture.
- Developed and integrated responsive UI components using ReactJS and implemented RESTful APIs using Spring Boot.
- Managed CI/CD pipelines using Jules and Spinnaker for automated build, test, and deployment processes across environments.
- Monitored code quality and technical debt using SonarQube, addressing bugs, code smells, and maintaining high code coverage.
- Collaborated closely with product owners and cross-functional teams to define and groom JIRA stories, ensuring alignment with business goals.

Project	Assessment Central
Time Span	February 2023 to April 2024
Technologies	Java/J2ee, Spring boot, Spring batch, ReactJS, NodeJS, Gaia cloud, AWS, MySQL, Gitlab, Jules and spinnaker
Role	Lead software engineer

Assessment Central is a strategic control assessment platform capable of supporting dynamic and continuous measurement of automated and non-automated controls, as well as scheduled point-in-time assessments performed by the centralized assessment teams. Assessment Central is designed to improve UI/UX, and to achieve minimizing the frequency of assessing technology assets while maximizing the reusability of assessment results and evidence across multiple assessments.

RESPONSIBILITIES:

- Designed, developed, and enhanced RESTful services to support dynamic control assessments and reporting capabilities.
- Collaborated with cross-functional teams, including QA, DevOps, and product stakeholders to ensure smooth delivery and alignment with business requirements.
- Led the migration of applications from Gaia Cloud to AWS, optimizing performance, scalability and infrastructure cost.

Project	Onecloud 2.0
Time Span	July 2022 to till date
Technologies	Java/J2ee, Spring boot, Redis, ReactJS, NodeJS, Lambda (Serverless), AWS, MySQL, Gitlab, jenkins
Role	Lead developer

OneCloud is designed to support teams in navigating their cloud adoption journey by serving as a centralized hub for pre-onboarding reviews, documentation, and resource alignment. The platform enhances user experience and operational efficiency by consolidating information and automating cloud onboarding workflows.

RESPONSIBILITIES:

- Led end-to-end delivery including requirements gathering, system design, development, and deployment.
- Managed and mentored the development team, ensuring timely and high-quality delivery across agile sprints.
- Architected and implemented reusable, modular microservices to support multi-tenant functionality and scalability.
- Developed and deployed solutions across hybrid cloud environments (Gaia, AWS), integrating various cloud-native tools and services.

Project	Tracfone (Verizon prepaid)
Time Span	January 2020 to June 2022
Technologies	Java/J2ee, Springboot(Reactive),, Redis, ReactJS, NodeJS, AWS,K8, GitLab, jenkis, Redis
Role	Lead developer

Upon acquisition of Tracfone one of the primary goals of Verizon has been the migration of Tracfone subscribers from multiple MNOs (T-Mobile, AT&T) on to the Verizon platform. In order to fulfill this goal multiple functionality gaps have been identified and brands with unique plans have been established in order to cater to the gaps identified. The goal for the P1 project is to migrate TracFone customers on brands such as Go Smart, Simple Mobile, Walmart Family Plans, and Safelink which are hosted on other MNO's and onto Verizon.

RESPONSIBILITIES :

- Responsible for Migrating Verizon prepaid UI from legacy systems.
- Designed and migrated existing system with ReactJS with new libraries.
- Migrated existing services into reactive services with Spring reactive.
- Implemented customer and credit card information encryption.

Project	One Network Services
Time Span	August 2015 to December 2019
Technologies	Java/J2EE,Spring Boot, Maven, JPA,AWS,PCF, AngularJS, ReactJS, NodeJS, XML,JSON,YML,Jenkins,Google Dialogflow and AWS
Role	Full stack developer

One Network Services is a major and important part of Verizon Network Services. This Project are using latest Advance java Technologies, Main purpose of this project is reduced the manually work and reduce dependency of the other services. And this project is used for create network orders and find short path to solve problems for customers. This is project already using the users.

We're implementing the Micro services is reduce dependency of other applications and deploying in K8.

RESPONSIBILITIES :

- Involve in Requirement, understanding the technical & functional specifications and effort estimation.
- Involve in development of rest controller and front end using Ext JS and middleware using Spring- Boot, REST Services, MVC, Hibernate and JPA.
- Having a role as developer involved in scrum meetings and project documentation.
- Analyze the requirement writing coding for services.
- Provide the technical Documentation for detail design of each module.
- Developing the application code based on detail design document.

Project	Workforce reporting
Time Span	July 2014 to till August 2015
Technologies	Struts, jsp , jQuery, java script, Apache POI api, Apache ANT,websphere,SQL Developer, Eclipse .
Role	Sr Developer

Workforce reporting (WFR) is a web based tool for senior management and HRs to access the reports on workforce in Citi group , with this tool they can able to get the reports in all Microsoft office formats i.e powerpoint and excel .

RESPONSIBILITIES :

- Responsible for developing the interfaces and reports for the required formats .
- Worked closely with QA to identifying and resolving issues.
- Peer code reviews and mentor less experienced developers.

Project	Network trouble management system & Report Dashboard
Time Span	October 2013 to June 2014
Technologies	BMC Remedy , Struts, jsp , Apache POI api, Apache ANT,WebLogic10.3,SQL Developer, Eclipse .
Role	Sr Developer

The NTMS application accept test request from QPortal and GUI screens

for accepting the test requests from Technicians and, Inventory interface to get the inventory lookup data of the network element

from LIMS,Test Interface to get the test results from the TESTX system and an Interpreter Engine to translate the raw test results

to the user-friendly language

to the QPortal users.

Repair Dashboard will be an on demand view of the tickets in the QCC and QC arena. This dashboard will provide the users the

ability to see all tickets in their shop from director to the supervisor level. This system will also support some custom configurations

that will assist the users in managing the work flow, fault isolation and history of tickets.

Project	VLP (Voice Logical Provisioning)
Time Span	November 2011 – September 2013
Technologies	GWT,EJB3,Hibernate,JBOSS Seam,Ss7,JBoss server, Timesten ,Eclipse
Role	Developer

Voice Logical Provisioning (VLP) is a web-based tool and used to provide Provisioning solution for the Global Inbound

Service (GIS). VLP builds Routing Plan for the International and National Contact Centre customers. The Routing Plan

allows the customer to more efficiently utilize their contact centers and route calls based on a variety of factors.

VLP works closely with NOAS which is an Intelligent Network (IN) node.

Now VLP got renamed as Call Traffic Controller.

Here we have used one platform called as OAS (Open Application Server).

This OAS platform enables Provisioning Managers to fulfill service

requests for their customers using the Intelligent Call Routing (ICR) application

Project	ASC (Access screening)
Time Span	October 2010 – November 2011
Technologies	Ss7 , Rhino server, Timesten ,Eclipse
Role	Developer

Access Screening is an Intelligent Network (IN)service, which gives the operators the possibility to screen

(allow/barring) the incoming traffic and decide the call routing, especially when the subscribers choose an alternate

route/carrier/access network (also called Equal Access) for long distance calls on a call by call basis or pre-selected.

Project	Solvent ERP
Time Span	May 2010 to September 2010
Technologies	SqlServer 2005, Struts, Eclipse,JBoss4, Windows
Role	Developer

SolventERP is an ERP application to maintain Solvent industries with 122 user input screens and more then 150 reports .the

main purpose is to maintain financial, inventory and operational data integration and the reports .

Project	Electronic Health Record
Time Span	January 2009 to September 2009
Technologies	Oracle 10g , Jsp ,Struts , Netbeans , Comm & Speech API Windows
Role	Developer

The system addressed here shall be designed as a comprehensive solution catering to the requirements of a complete Health Care System. It is a necessary for any practice to provide health care to patients efficiently round the clock and also ensure timely processing of claims and reimbursements to manage finance. Major points about HER System are

Patients scheduling to deliver health care with effective use of available resources

Patients information recording including the demographics and source of payment

Medical billing

Claims Management-charge capture and claim scrubbing

Project	ASM (Automated SMS Management System)
Time Span	July 2007 – November 2008.
Technologies	Servlets,Jsp,Oracle 10g, Netbeans ,Windows
Role	Developer

ASM is a web based application for sending bulk SMS from different resources, this application is using mainly used for sending same message in bulk number of users , it is a product application having different modules like sending sms to the all users in Excel sheet, database, text/word file or sending single SMS.

This is a developed product and ready to change the as per the client requirements.