## Venkata Viswanath Valluri

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# PROFESSIONAL SUMMARY

* 10 years of experience in the information technology industry with substantial experience in designing, developing and delivering complete software solutions using Java, J2EE stack, JavaScript
* Strong experience in building and maintaining microservices architecture applications using Spring, Spring Boot, Spring MVC, Spring Cloud config, and Restful web Services.
* Worked in all phases of software development life cycle including requirement analysis, design, implementation, unit/integration testing, deployment and support.
* Strong experience in developing/supporting high performance distributed systems in cloud software industry (Ex: AWS Marketplace)
* Very good experience in Object Oriented Analysis, Design, and Development
* Around 10 years of professional experience in User Interface (UI) / Front-end development
* Experience in developing web applications using HTML/HTML5, XML, CSS/CSS3, JavaScript, React JS, Redux, jQuery, AngularJS, JSON, Node.js
* Experience in working with various databases like Oracle, MySQL, SQL Server, MySQL, PostgreSQL
* Proficient in JDBC programming, have experience with Java Persistence API(JPA) and Hibernate
* Experience in developing with SOAP and Restful web services
* Expertise in implementing OAUTH2 token-based authorization model using Spring security
* Experience in Node environment using Node.js, NPM
* Strong experience in using Amazon web Services (AWS) and its services like ECR, EKS, ECS, EC2, CloudFormation, CloudWatch, CloudTrail, S3, AWS IAM, DynamoDB
* Experience working with docker and containerization
* Capable to learn new technology and adopt to new environment quickly
* Ability to work in a variety of client settings and in a team-oriented, collaborative environment

# EDUCATION

## University of Central Missouri, Warrensburg, Missouri, United States August 2021 - August 2022

Master of Science in Computer Science GPA - 3.2/4.0

## Jawaharlal Nehru Technological University Hyderabad, India. October 2010 -May 2014

Bachelor of Technology in Information Technology CGPI - 7.3/10.0

# PROFESSIONAL EXPERIENCE

## Amazon Web Services, Seattle September 2022 – July 2024

### Software Development Engineer – AWS Marketplace Responsibilities:

* Contributed by designing and implementing key components in AWS marketplace services to facilitate sellers to upload Container-based products using Amazon ECR which later would be scanned for common vulnerabilities and exposures before they get listed onto AWS marketplace
* Developed new EKS add-on delivery option for marketplace sellers to upload their software that provides operational capabilities to Kubernetes applications
* Worked with AWS EKS team to add new components to the existing EKS services to provide cross platform support for marketplace sellers to upload their products through new EKS add-on delivery option
* Contributed by developing the Ui components of marketplace container systems using React as a major Ui development library and Node.js as the runtime environment library
* Developed backend services for the containers space on AWS marketplace using Spring Boot, RESTAPIs, Spring Data JPA
* Wrote canary test cases for the buyer facing Ui components that uses Node.js as the runtime environment
* Migrated 70% of the front-end and back-end services to Java17
* Designed REST APIs for a new feature development using Java17 to let the sellers list their cloud software products on Marketplace for EKS visibility
* Used SpringBoot framework for the maintenance of the legacy code and development of the new features using REST API development
* Developed all the unit test cases that cover all the edge cases for the production ready source code using Junit5
* Packaging, building and setting up full CI/CD pipelines to make sure each commit is passed through all the stages and each production stage.
* Wrote integration test cases in the gamma stage of our CI/CD pipelines to test the final functionality of our systems before the actual code reach production
* Setup monitoring and alerting with AWS custom metrics and CloudWatch alarms and designed runbooks to assist on-call engineers thereby increasing root cause analysis to ensure high availability with over 99.9% uptime globally
* Conducted unit testing, integration testing to ensure software quality and security, resulting in a more stable and secure application with fewer bugs and issues
* Created automatic patching script for AL2023 EC2 instances to reflect the host status from yellow to green on mirador dashboard
* Implemented managed fleets service for all the hosts in marketplace containers web services in order to abstract the problem of host and fleet management
* Participated in regular on-call rotations to provide a seamless user experience to our customers by keeping all our software systems up to date with highest availability
* Created various cloud watch dashboards to track the customer traffic and made necessary callouts if there are any high severity tickets in our queue
* Mentored new engineers and interns to onboard them with the services designed by the team and help them understand their roles

**Environment:** Java, VS Code, IntelliJ, Spring Boot, Rest APIs, Spring Data JPA, TypeScript, YAML, JavaScript, React, AWS, Git, Docker, HTML, CSS

## Insert V Consultancy Services Pvt. Ltd., Hyderabad, India. September 2015 - July 2021

### Software Engineer Responsibilities:

* Developed and configured microservices applications for an Indian based e-commerce marketplace using Spring Boot, Core java, java Persistence API(JPA) and SQL
* Customized and optimize Java code for end-to-end RESTful web services, and APIs using Spring- Microservice architecture to handle high transactional volume, delivering significant handling time reduction and thus improving 10% efficiency in customer services
* Delivered multiple feature requests and gained hands-on experience with the principles of designing and building production quality REST APIs
* Created mechanisms and drove adoption around documentation and code quality that helped reduce production defects by 30%
* Performed unit testing, integration testing to ensure software quality and security, resulting in a more stable and secure application with fewer bugs and issues
* Learnt professional software engineering practices for the full software development life cycle, including coding standards, code reviews, source control management, testing, and operations
* Created documentation for the code base
* Implemented Agile & Scrum methodologies to continuously experiment, iterate, and deliver on client’s new objectives

**Environment:** Java, J2EE, JPA, Hibernate, Oracle, Spring, SOAP, REST, Spring Boot, JavaScript, Angular JS

## VMK IT Services, Hyderabad, India Jan 2014 – September 2015

### Responsibilities:

* Implemented Java/Java EE technologies in the front-end and back-end development of a banking web application
* Contributed to the development of a new Java-based module for internet banking application for transaction management
* Leveraged Java-based libraries including Spring and Hibernate for software development
* Worked on the development of a backend services for banking application using Java, Spring, Spring MVC, Hibernate, MySQL
* Coordinated daily stand-ups, sprint planning, and reviews for my development team, enhancing team collaboration
* Collaborated with development team to deliver a seamless transaction for banking customers, contributing to an increase in application availability
* Developed front-end components for the better end-user experience using JavaScript, AngularJS, HTML, CSS, jQuery,

NPM

* Assisted in troubleshooting and patching a critical Java application bug
* Developed database queries by optimizing SQL statements and leveraging JDBC for database connectivity
* Refined and debugged existing Java code during development cycles
* Authored comprehensive unit tests using JUnit and Mockito, achieving quality code coverage and significantly reducing bugs in reduction
* Performed code reviews and collaborated with senior developers to resolve adverse application behaviors

**Environment**: Java, J2EE, Spring, Spring MVC, Hibernate, MySQL, JavaScript, AngularJS, HTML, CSS, jQuery, NPM

# TECHNICAL SKILLS

* **Programming languages:** Java, Python, JavaScript, TypeScript, C, C++, UNIX, HTML, CSS
* **Web Technologies:** RESTful web services, REST APIs, Spring Data JPA, Postman, Maven, Servlets, JSP
* **Database Technologies:** MongoDB, MySQL, PostgreSQL, Oracle
* **Frameworks:** Spring, Spring Boot, Microservices, Spring Rest, Spring MVC, hibernate (ORM), React, Redux, Node.js, Flask, GraphQL, Ruby on Rails, Apollo, React Native, Angular, Jest, jQuery, Django, JUnit 5
* **Cloud:** AWS, Docker
* **Version Control:** Git, AWS CodeCommit, Bitbucket
* **Testing:** Unit, Integration, UAT
* **IDE:** IntelliJ, Eclipse, VS Code, Web Storm