

Ganesh Sathvik Palempati

Java Full Stack Developer

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SUMMARY

- Around **4years** of professional experience in Web based enterprise applications using **Java Full Stack Developer**.
- Expertise in design, development, testing, deployment, integration, documentation of different **software applications**.
- Working Experience on various **AWS** services like **EC2, S3, ELB, EBS, RDS, ECS, ECR** etc and deploying scalable applications using various cloud platforms, including **AWS, Google Cloud Platform (GCP), and Pivotal Cloud Foundry (PCF)**
- Experienced in **AWS Cloud platform** and its features which include EC2 AMI, security groups, EBS Cloud watches, AWS Config, Auto-scaling, IAM and AWS S3.
- Proficient in **Big Data technologies** like Snowflake, Hadoop, and Spark for handling large-scale data analytics and data warehousing solutions. Experienced in using **HexaTime** for productivity tracking and time management within Agile teams
- Knowledge on various **Azure** services like Compute (Web Roles, Worker Roles), **Azure** Websites, Caching, SQL **Azure** NoSQL, Storage, Network services, **Azure** Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
- Proficient in building in Responsive and Adaptive web applications using **HTML5, CSS, SASS, LESS, AJAX, JavaScript, AngularJS, Backbone.js, Node.js, Require.js and Bootstrap.js**.
- Good experience in various frameworks such as Struts, **Spring, Hibernate, Apache wicket, GWT, JSF** (Rich faces, Prime faces), JUnit, Active MQ.
- Expertise in building **WSDL, SOAP** and **RESTful** implementation of using Jersey, Apache Axis, Spring Web Services.
- Worked with Software Development **Life Cycle SDLC** Requirements Specification, Design documents and writing Test cases - Waterfall to Agile methodology.
- Utilized Postman for API testing and validation, ensuring robust and reliable service integration.
- Complete understanding of the DevOps process with continuous integration using **Jenkins, JIRA, GIT, CHEF**.
- Experienced with RDBMS implementation and development using **Oracle, My SQL, MSSQL and DB2**.
- Expertise in database modelling and development using **No SQL** Database such as **MongoDB** and **Cassandra**.
- Experience in using version control and configuration management tools like **GIT, SVN and CVS**.
- Experience in using the tools like **Ant and Maven** for build automation.
- Extensive experience in testing on multiple operating systems including **Linux, Unix, Sun Solaris, and Windows**

TECHNICAL SKILLS

- **Programming Languages:** Java, J2EE, PL/SQL, Python, C, C++, .NET, ASP.NET, C#, Power BI, micro-Visio, Salesforce, SAP, SAP3, Swift
- **Cloud Services:** Amazon Web Services (AWS). Azure, Platform (GCP), Pivotal Cloud Foundry (PCF)
- **Scripting Languages:** XML, XHTML, HTML, CSS, JavaScript, AJAX, jQuery, JSON, Angular2.0, Bootstrap, NodesJS, Next.js, reactJS, Typescript
- **Tools:** Junit, Selenium web Driver, TestNG, Protractor, Mockito.
- **Frame Works:** Struts, Spring, JSF, JPA, EJB and Hibernate, JMS.
- **Web Services:** SOAP, UDDI, WSDL, JAX-RS, JAX-WS, RESTful Web services, AWS, Microservices.
- **Databases:** Oracle 11g, MySQL, PostgreSQL, DB2, MongoDB, Cassandra.
- **Big Data Technologies:** Big Data frameworks like Hadoop and Spark, Snowflake, Cassandra, MongoDB
- **Debugging Tools:** JIRA, Jenkins, CHEFF.
- **DevOps and CI/CD:** Docker, Kubernetes, Jenkins, Git, GitHub, GitLab, Bitbucket
- **Version Control:** Git, Tortoise SVN, CVS, Bamboo.
- **IDE Tools:** Eclipse, Net beans, IntelliJ, IBM RAD, ANT, Maven, STS, Visual Studio (2.1), Eclipse (2021-09), Google Collab (2024), Xcode(12.5).
- **Application Development:** Agile Methodologies (Scrum, Kanban), Test-Driven Development (TDD), Behavior-Driven Development (BDD), Continuous Integration/Continuous Deployment (CI/CD)
- **Web/App/DB Servers:** IBM WebSphere, WebLogic, Apache Tomcat, JBoss.
- **AWS:** EC2, Auto scaling, Docker, IAM, VPC, SNS, Lambda, AWS SDK'S, Elastic cache, Ops Works, Security Groups, DNS, Route53, Cloud Formation, RDS, Dynamo DB, Storage Gateway, API Gateway, Cloud Watch
- **Tools and Platforms:** HexaTime for time management and productivity tracking, Apache Kafka for data streaming
- **Other Tools:** Microsoft Office (Excel, Word, PowerPoint, Access), Advanced Excel (Pivot Tables, VLOOKUP)

EDUCATION

Masters in Computer Sciences

Wichita State University, KS, USA

01/2023 - 05/2024

Bachelor in Computer Sciences

Amrita Vishwa Vidyapeetham, Karnataka, India

03/2018 - 01/2022

EXPERIENCE

Java Full Stack Developer

Innovative Physical Therapy

05/2024-Current KS

- Design and manage the medical healthcare software, ensuring it meets the needs of the organization. Adopt the existing software to meet current and future requirements, ensuring scalability and flexibility.
- Perform troubleshooting data quality issues and analysing data requirements with high accuracy, ensuring that all information is correctly recorded and maintained. Developed the functionalities using **Agile Scrum Methodology**.
- Configured and managed cloud-based infrastructure using Google Cloud Platform (GCP) to support scalable microservices and data applications.
- Implemented **Big Data solutions** using GCP's BigQuery for data analytics, processing large datasets efficiently to support organizational data requirements.
- Designed, configured and managed public/private cloud infrastructures using Amazon Web Services (AWS), which includes **VPC, EC2, S3, Cloud Front, ELB and Elastic Beanstalk**.
- Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
- Developed cloud-native APIs and services using Spring Boot/Java, ensuring high availability and scalability across distributed systems.
- Leveraged **Snowflake** to enhance data warehousing capabilities, optimizing query performance and reducing storage costs by utilizing cloud-native architecture.
- Involved in developing **UI** using **Spring MVC** framework, **JSP, JSTL, HTML5, CSS, Java script, JQuery, AJAX and React.js**.
- Created Reusable Modules and Custom Directives in **Angular** which got used in various places of application.
- Implemented **AngularJS** Controllers to maintain each view data. Implemented Angular Service calls using Angular Factory tested all application controllers extensively with AngularJS built-in testing facilities.
- Used design patterns like **Singleton, Data Access Objects, Factory and MVC patterns**.
- Testing and production support of **core java** based **multithreading ETL** tool for distributed loading **XML** data into **GCP database** using **JPA/Hibernate**.
- Created responsive and interactive user interfaces using React, enhancing user experience and engagement.
- Developed **microservices** with Spring and tested the application using Spring Boot.
- Used **Spring Core annotations** for **Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for microservices**.
- Development of cloud hosted web applications and **REST APIs** using Spring Boot with embedded **Tomcat**.
- Deployed and managed microservices using Kubernetes, enabling automated scaling, self-healing, and seamless deployments.
- Deployed the application on **Amazon Web services (AWS)** and used it to provide a large computing capacity for scalable solutions.
- Deployed applications into Continuous integration environments like **Jenkins** to integrate and deploy code on CI environments for development testing.
- Applied **HexaTime** for project time management, streamlining workflows and tracking productivity across Agile sprints.
- Integrated **ActiveMQ and spring JMS API** to send and receive message for the application's **restful API**.
- Experience in design and development of **Web services, JAX-RPC, JAX-WS, RMI, JTA, JMS and XML, XSD, XSLT, X-Path**.
- Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system.
- Experience on implementation of version control software **GIT** repositories.

Java Full Stack Developer

CVS Health

05/2023-04/2024 NJ

- Designed the Front-end screens using **JSP, JSTL, Servlets, HTML 5 and JavaScript and JQuery, DOJO** struts Tiles.
- Developed front end of the application using **angular JS**.
- Create RDS servers for data storage and EC2 Instances on **AWS** for running backend servers.
- Deployed microservices on **Pivotal Cloud Foundry (PCF)**, ensuring resilient and fault-tolerant applications by leveraging PCF's managed container orchestration.

- Worked on Amazon **AWS cloud services** like Writing Lambda functions for producing data from different sources, S3 as
- Developed Angular module to dynamically update pages based on data from **REST services**.
- Developed large-scale **Big Data pipelines** for real-time data processing using Apache Kafka and Spark, enabling data-driven insights.
- Used advanced level of **jQuery, AJAX, Angular Js, Bootstrap and CSS layouts**.
- Utilized React components, hooks, and state management to build modular and maintainable code.
- Developed the presentation layer using **Spring MVC**, Spring Core for Inversion of Control (IOC), and application Context of Spring Framework in the project.
- Integrated **Snowflake** as a data repository for high-performance analytics, providing secure and scalable access to data across business units.
- Integrated Apache Kafka for real-time data streaming and Apache Pulsar for messaging, enhancing high-throughput data processing and reducing latency.
- Migrated existing on-premises infrastructure into cloud using **AWS, Azure** and **GCP** its associated Services.
- Azure Resource Manager (ARM) provides security, auditing, and tagging features to help you manage your resources after deployment. Performed software engineering with **TDD, CI/CD** for high-quality code and faster delivery.
- Implemented entire application using Core java, java Collections and **Spring MVC** design framework.
- Used Spring Core annotations for Spring Dependency Injection, **Spring MVC for Rest API's** and Spring Boot for micro services.
- Experience in **NoSQL** database like MongoDB installation, configuration and in designing MongoDB multi-shared cluster and monitoring with MMS.
- Installed the **WebSphere MQ** and involved in configuring MDB listeners, JMS resources, and queues and integrating with the WebSphere Application Server.
- Used **HexaTime** to track project milestones and manage time allocations within the team, ensuring on-time delivery and efficient resource management.
- Configuring WebSphere Application Server on multiple platforms for both horizontal and vertical scaling for Workload Management.
- Experience in working with NoSQL **Database** like **MongoDB** to manage extremely large data sets.

Java Developer

HDFC Life

📅 01/2021-12/2022 📍 India

- Designing **Class diagrams** and **Collaboration diagrams** using **UML** for system architecture.
- Gathering requirements and managing the design, development, and unit testing phases of application development, Unit testing and Bug fixing.
- Utilized **GCP for multithreaded ETL processing** with JPA/Hibernate, streamlining data transformations and storage solutions within cloud environments.
- Designed cloud-native solutions in **PCF** for secure deployment of Java applications, leveraging PCF's platform services to manage application lifecycles effectively.
- Developing front-end web pages with **HTML5, CSS3, JavaScript**, and **jQuery**, delivering dynamic and responsive user experiences.
- Developed the application with Continuous Integration and Deployment using **Jenkins and AWS**.
- Deployed the application in JBOSS server using Elastic Bean Stalk in **AWS** for a scalable and flexible infrastructure.
- Developed **web services** using **Spring Framework, Spring Boot**, and **Hibernate**, optimizing performance and scalability.
- Writing **JSP screens** and **Java Beans** for core business modules, enhancing functionality and operational efficiency.
- Optimizing **Cassandra** queries and configuring data replication strategies to improve data availability and retrieval speed.
- Implementing **Spring Boot Microservices** for message processing within a **Kafka** cluster, ensuring scalability and reliability.
- Designing Servlets and Objects using **J2EE standards** Take ownership of writing automated test cases using **Selenium Web Driver** and TestNG framework in Java. Used **Jenkins** for continuous integration and test automation.
- Perform functional testing of SOAP and **RESTFUL Web Services** using **SOAP UI Tool**.
- Using **Azure** Functions to integrate applications and run backend processes according to schedules without provisioning/managing servers.
- Setting up a **Continuous Delivery pipeline** with **Docker, Jenkins**, and **GitHub**, streamlining the deployment process and enhancing productivity.
- Utilized JAVA and HTML to design website page to make advertisements easier for users to View.
- Involved in walk through with the analysis for Use Cases and feasibility scope.
- Used Agile methodology for the iterative application development, weekly sprints, stand up meetings and customer reporting backlogs.
- Using **Agile methodology** with iterative development, including weekly sprints, stand-ups, and maintaining backlogs for effective project tracking.
- Developed front-end using **JSPs, HTML** and used **JavaScript** for client-side validations.

Research Assistant

International Conference on Computing Communication and Networking Technologies (ICCCNT)

📅 08/2020-12/2020 📍 India

I worked as Research Assistant for the project " RESNET-50, CNN and HNN Medical Image Registration Techniques for Covid-19, Pneumonia and Other Chest Ailments Detection".

- Involved in requirements gathering in design, development, Unit testing and Bug fixing.
 - Developed the main page using HTML5, CSS3, jQuery, and JavaScript, enabling doctors to upload lung or chest X-ray images for diagnostic analysis.
 - Implemented backend services using Java Spring Boot, facilitating the processing and analysis of uploaded images using machine learning models.
 - Developed RESTful APIs for seamless communication between the front end and back end, enabling efficient data transfer and retrieval.
 - Conducted thorough unit testing and debugging to ensure high-quality code and optimal functionality of the application.
 - Focused on creating a user-friendly interface to enhance the user experience, ensuring ease of use for medical professionals.
 - Worked closely with team members to document design specifications and project updates, promoting transparency and knowledge sharing throughout the development process.
 - Managed the storage and retrieval of image data and patient information, ensuring compliance with data protection regulations.
 - Analyzed application performance and implemented optimizations to improve load times and overall responsiveness.
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