

HARI PRIYA PARVATANENI

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PROFILE

- Full Stack Developer with experience in designing, developing, and deploying enterprise applications using Java, Spring Boot, Struts, and Hibernate.
- Expertise in Microservices Architecture, developing RESTful APIs, and implementing OAuth2-based security for web services.
- Proficient in front-end technologies including Angular (6/7/8/11), ReactJS, JavaScript, jQuery, AJAX, and JSP for building dynamic and responsive user interfaces.
- Strong background in CI/CD pipeline implementation using Jenkins, Docker, Kubernetes, and Bamboo for automated application deployment.
- Hands-on experience with AWS (EC2, S3, Elastic Beanstalk, OpenShift, PCF, Kubernetes) for cloud-based application deployment and management.
- Skilled in asynchronous messaging systems using JMS, Kafka, and developing Spark Streaming applications for data processing.
- Experienced in configuring and managing version control tools such as Git, SVN, CVS, and ClearCase.
- Expertise in database management, including SQL, PL/SQL, PostgreSQL, and Apache Cassandra, optimizing data retrieval and processing.
- Proficient in testing and debugging using JUnit, Swagger, and JIRA, ensuring high-quality software development.
- Adept at working in Agile environments, collaborating with cross-functional teams, and delivering scalable and secure solutions.

TECHNICAL SKILLS

Languages: Java, PL/SQL, C/C++, Scala

Web Development: JavaScript, TypeScript, jQuery, JSP, HTML5, CSS3, AJAX, XML, Angular (6/7/8/11), ReactJS, Google Analytics

Middle-ware: RESTful Web Services, SOAP (JAX-WS), Servlets, JDBC, DWR, JMS

Frameworks: Spring Boot, Spring MVC, Struts, Hibernate, JPA

Version Control Tools: Git, CVS, SVN, ClearCase, Stash

Testing Tools/Frameworks: JUnit, Swagger, Rational Function Tools, JBlue

Application Servers: Apache Tomcat, WebLogic, WebSphere, JBoss, GlassFish

Build & CI/CD Tools: Maven, Ant, Jenkins, Bamboo, Hudson, SoapUI, Docker, Kubernetes

Cloud & Directory Services: AWS (EC2, S3, Elastic Beanstalk, OpenShift, PCF, Kubernetes), LDAP (Federated Repositories), Active Directory, Oracle Virtual Directory

IDE: IntelliJ IDEA, Eclipse, MyEclipse, NetBeans, Spring Source Tool Suite (STS)

Operating Systems: Windows, Linux, Unix

PROFESSIONAL EXPERIENCE

Full Stack Developer

Dec 2024 – Present

Capital One

McLean, VA

- Implemented MVC architectural pattern using Struts Framework, including JSP, Servlets, and Action classes.
- Configured JIRA issue tracking software with Agile plug-in across all company functions.
- Utilized Struts Framework for SIT, UAT, and implemented asynchronous messaging services with JMS.
- Developed UI components using JavaScript and JSON to interact with RESTful web services.
- Built Spring Boot Microservice architecture applications and deployed them to AWS EC2 instances using CI/CD Jenkins Pipeline. Managed version control with CVS software.
- Leveraged Spring framework configuration files for object management and dependency injection.
- Implemented OAuth2 tokens-based authorization schema for securing Rest APIs with Spring Security.
- Managed multiple tracks including business rules engine, UI, and reporting, and implemented multi-rack Cassandra cluster.
- Utilized SAML 2.0 protocols for secure communication between HTML pages and developed GUI using JSP, JSTL, AJAX, HTML, CSS, and JavaScript. Managed and resolved bugs with JIRA bug tracking application.
- Implemented Spark Streaming projects, preferably using Scala, and Spark SQL for data processing.
- Employed JMS for asynchronous exchange of critical business data among J2EE components and legacy systems.
- Implemented AJAX calls from backend without page refresh using jQuery, AJAX, Spring MVC, and Hibernate.
- Transitioned AWS infrastructure from Elastic Beanstalk to Docker with Kubernetes.
- Developed responsive web application pages using Angular 7/6 material and Angular 8-Material services, controllers, and directives for front-end UI. Consumed RESTful web service API.

Full Stack Developer

May 2022 - Aug 2023

Credit Suisse

Chennai, TN, India

- Utilized Struts tag libraries in JSP pages and implemented OAuth 2.0 for RESTful web services security.
- Implemented multi-threaded synchronization processes with JMS queues for asynchronous request consumption.
- Developed CI/CD system with Jenkins on Kubernetes environment, leveraging Docker for runtime environment and Stash repository for version control.
- Developed REST APIs using Spring MVC and Spring Boot, hosting microservices on PCF.
- Monitored service health via Spring Boot admin console and Swagger UI for microservice documentation and testing.
- Developed SOAP web services (JAX-WS) for data exchange between applications, including WSDL generation and service exposure.
- Designed UI pages using HTML5, CSS3, JavaScript, jQuery, and Ajax for interactive features. Supported various markets for alerts and bugs, analyzing and resolving issues.
- Worked with server-side CSS pre-processing platforms like LESS/SCSS and UI kits such as Node.js, Foundation, and Bootstrap.

- Configured Apache Cassandra for scalable, highly available data storage needs.
- Used jQuery to create interactive elements like accordions, drag-and-drop functionality, and modal windows.
- Configured Bamboo for cloud deployment on PCF and integration with Git Hub. Managed OpenShift cluster, handling scaling and maintenance of AWS app nodes.
- Developed REST web services using Jersey with OAuth enabled for security. Implemented Spring Boot Microservices for modular functionality as per Microservices architecture
- Implemented Angular 11 Router Module for Single Page Application architecture and developed applications using J2EE and Spring.
- Proficient in Java applications development with JDBC and advanced multithreading. Extensive experience in developing Microservices using Spring frameworks and domain-driven design.
- Developed authentication services using Node server, transitioning from LDAP to Ping Access-SSO Application and utilized IntelliJ and GIT for development and version control.

Programmer Analyst

Jan 2022 – May 2022

Cognizant Technology Solutions

Bangalore, India

- Contributed to the full Software Development Life Cycle (SDLC), leveraging Java/J2EE and Spring Boot to develop and maintain enterprise applications.
- Optimized application performance by implementing efficient JavaScript techniques, reducing load times by up to 80%.
- Integrated backend technologies like Java and Node.js, enhancing the stability and scalability of application infrastructure.
- Led cloud transition initiatives to AWS, improving system performance, reducing latency, and achieving cost savings.
- Collaborated with cross-functional teams to provide accurate development task estimations and ensure alignment between technical solutions and business requirements.
- Designed and developed RESTful APIs using Spring Boot, ensuring seamless data exchange between microservices.
- Implemented CI/CD pipelines using Jenkins and Docker, streamlining application deployment and reducing manual efforts.
- Developed and maintained SQL queries and stored procedures for efficient database operations, optimizing data retrieval and processing.

ACADEMIC PROJECTS

Intelligent System for Automatic Diabetic Retinopathy Screening

- Developed an intelligent computer-aided system for early detection of diabetic retinopathy (DR) using deep learning techniques.
- Leveraged a two-stage transfer learning approach with a pre-trained convolutional neural network (CNN) to address data scarcity and overfitting issues.
- Fine-tuned the CNN for effective feature extraction from fundus images and integrated a gradient boosting classification layer.
- Deployed the system on AWS, ensuring scalability and reliability for large-scale use.
- The system demonstrated superior performance in 10-fold cross-validation on Eye PACS and Messidor datasets, aiding in rapid initial screening and referral decisions for DR patients.

Blood Bank Application Development

- Collaborated in a three-member team to develop a comprehensive Blood Bank application using Android Studio and SQL.
- Implemented a secure SQL-based data storage system to ensure the integrity of critical information.
- Developed a comprehensive application using Android Studio and SQL, optimizing data storage and retrieval processes to enhance system efficiency
- Designed a user-friendly interface to streamline blood donation and request processes, enhancing accessibility for donors and recipients.

Hotel Management System Development

- Developed a sophisticated Hotel Management System using Python with a graphical user interface (GUI).
- Efficiently managed hotel operations, including bookings, room information retrieval, room service management, billing, and recordkeeping through a robust database system.
- Designed an interactive and user-friendly Python GUI, enhancing the experience for both staff and customers.

ACCOMPLISHMENTS/CERTIFICATES

- Certified by CISCO networking academy for completed Cisco Certified Network Associate (CCNA). Completed Industrial Training by Cisco Network Academy
- Awarder MOGO scholarship for my master's degree based on my Academic Excellence.
- Certified by Andhra Pradesh State Skill Development Corporation (APSSDC) for completing Android development course.
- Certified By Aws for Cloud Practitioner essentials.

EDUCATION

Master of Science in Information Technology

Missouri State University

Aug 2024

Springfield, MO

Bachelor of Technology in Computer Science

Andhra University

May 2022

Visakhapatnam, AP, India

Diploma in Computer Engineering

A.A.N.M and V.V.R.S.R Polytechnic

May 2019

Gudlavalleru, AP, India