ANUSHA MIRTHIPATI

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OBJECTIVE

Dedicated and skilled Java Developer with a strong background in software development and proficiency in a wide range of programming languages and tools. Seeking opportunities to leverage my expertise in Java, Spring MVC, and backend technologies to contribute to innovative projects in a dynamic team environment.

EDUCATION

University of Central Missouri,   Aug 2022 – Dec 2023 | Lee Summit, USA
Masters in Science-Computer Science(MSCS)

Advanced Applications Programming in Java, Advanced Web Applications and Services,SQL Database Systems, Advanced Algorithms, Advanced Database Systems, Programming Foundations with Python, Statistics, Advanced Operating Systems, Advanced Software Engineering, Software Testing and Quality Assurance.

JNTUK, Bachelors of Technology - Computer Science and Engineering   Aug 2016 – Sep 2020 | Kakinada, India

SKILLS

- Languages: Java, Python, JavaScript, C, C++
- Software Tools: Git, IntelliJ, PyCharm, Postman, MySQL, Jupyter Notebook
- Backend Technologies: Spring MVC, Spring Boot, JSP, Node.js,Servlets
- Web Technologies: HTML, CSS
- Databases: SQL, MySQL
- Testing: JUnit

PROFESSIONAL EXPERIENCE

Allied Tec Inc, Java Software Engineer   Mar 2024 – present | Carralton, Texas

- Developed robust RESTful APIs with Java and Spring Boot, leveraging microservices architecture for efficient communication between web applications and servers.
- Created dynamic and responsive user interfaces using React.js, enhancing user experience and interactivity.
- Utilized React hooks (such as useState, useEffect, and useContext) to manage state and lifecycle in functional components.
- Integrated RESTful APIs and GraphQL with React applications to handle data fetching and state management.
- Automated infrastructure provisioning using Terraform, and ensured secure secret management with HashiCorp Vault.
- Optimized database performance using SQL Server and AWS to enhance system efficiency in microservices environments.
- Automated software delivery processes using CI/CD pipelines with AWS CodePipeline, Jenkins, and GitLab CI/CD, specifically tailored for microservices deployments on AWS.
- Conducted real-time testing with Jest and JUnit, ensuring reliability of microservices-based backend software.
- Familiarity with Python and TypeScript, showcasing versatility in programming languages for microservices development.
- Contributed to Agile methodologies, participating in sprint planning and daily stand-ups, with a focus on iterative development and deployment of microservices-based applications.

Adventa Soft Inc, Java Developer   Aug 2023 – Dec 2023 | Houston, Texas

- Implemented RESTful APIs by Java, Spring framework, Node.js for efficient communication between web applications and servers. Utilized HTTP methods such as GET, POST, PUT, DELETE, and PATCH to implement CRUD operations in RESTful APIs.
- Designed dynamic and responsive front-end interfaces using HTML5, CSS3, and JavaScript ES5 , React 15 with Node.js.
- Conducted database modeling and optimization tasks using SQL and MySQL to improve system performance.
- Managed infrastructure as code (IaC) with Terraform, facilitating version control and collaboration for cloud resources.
- Leveraged AWS services like Amazon Aurora for SQL Server database design, optimizing data management.
- Conducted real-time testing with Jest ,JUnit and Swagger, ensuring high-quality software for immediate deployment.
- Implemented CI/CD pipelines with Jenkins and Docker for reliable software delivery.
- Experience of working in Linux/Unix environments.
- Participated in Agile software development methodologies, including sprint planning, stand-ups, and retrospectives.

University of Central Missouri   Aug 2022 – May 2023 | Warrensburg, Missouri
Research Assistant-

- Developed a cloud-based data processing pipeline on AWS, utilizing Java and AWS services like EC2, S3, and Lambda to handle large datasets efficiently.
- Assisted in architecting and building a scalable web application using Java Spring Boot framework with JavaScript, Python incorporating AWS infrastructure for reliable performance.
- Developed scalable and high-performance backend applications using Node.js on Linux and Unix environments, leveraging its asynchronous and event-driven architecture.
- Implemented CI/CD pipelines with AWS CodePipeline to automate software deployment, ensuring rapid delivery of updates.

- Collaborated with research team to analyze data trends and patterns, leveraging AWS data analytics tools like Amazon Athena .
- Contributed to research reports and presentations, highlighting the impact of AWS-based solutions on data processing efficiency and project outcomes.

Teacher's Assistant-
- Assisted in the development of an interactive educational web application using HTML, CSS, and JavaScript, aimed at enhancing student engagement and learning outcomes.
- Collaborated with lead developers to implement backend functionalities and RESTful APIs facilitating seamless communication between the frontend and backend of the application.
- Contributed to the design and creation of database schemas using SQL, ensuring efficient data storage and retrieval for various features of the educational platform.
- Participated in Agile development methodologies, including sprint planning, daily stand-ups, and retrospectives, to ensure timely delivery of project milestones and effective coordination among team members.
- Supported the integration of multimedia content and interactive quizzes into the web application, leveraging frameworks like Angular.js enhance the user experience and promote active learning among students.

CAPGEMINI, Java Full Stack Engineer   Feb 2021 – Sep 2022 | Hyderabad, India
Client: Barclays
- Developed and maintained Java-based web applications using OOPS, Spring MVC, Python, JavaScript, Node.js and Spring Boot.
- Collaborated with cross-functional teams to design architecture requirements to implement efficient software solutions.
- Utilized Git for version control and collaborated with team members on code reviews and merges.
- Conducted unit testing using JUnit to ensure the reliability and performance of the codebase.
- Worked with MySQL and SQL databases to manage and manipulate data for various projects.
- Integrated APIs using Amazon Lambda Functions triggered by Simple Notification Services (SNS), for efficient system communication in Linux, Unix Systems.
- Implemented secure secret management and data protection with HashiCorp Vault, enhancing the security of microservices-based applications.
- Used Swagger for API documentation for Java Spring applications.

Client: Water Welsh Systems
- Pioneered Java/J2EE based end-to-end solutions, showcasing mastery in HTML5/CSS3/JavaScript ES5 for dynamic front-end design and Java/Spring for robust back-end development.
- Executed optimized SQL/NoSQL database designs, ensuring data integrity, scalability for high-performance applications.
- Designed and implemented RESTful APIs using Node.js and Express.js framework on Linux and Unix systems to facilitate communication between client-side and server-side components.
- Utilized HashiCorp Vault for dynamic secrets management, enabling secure and automated credential rotation.
- Integrated Terraform with CI/CD pipelines to automate infrastructure deployment, improving operational efficiency and reducing manual effort.
- Agile advocate, driving sprint planning ,adherence to Agile principles for streamlined project management and delivery.

IBM, Machine Learning with Python-Software Intern   Apr 2018 – Jun 2018 | Hyderabad
- Implemented ML algorithms in Python (v3.x), leveraging scikit-learn, TensorFlow, and Keras.
- Assisted in the optimization of machine learning models for enhanced performance under senior guidance.
- Contributed to the development of a recommendation system and a computer vision application, gaining practical experience in collaborative filtering.

PROJECTS

Restaurant Management System
- Created a RESTful API service using Java and Spring framework for handling user authentication and authorization.
- Technologies Used: Java8, Spring 5.x, JavaScript ES5, Node.js, MySQL 5.x, JSON.

Ecommerce App
- Developed a Java-based web application using Spring Boot and MySQL for tracking and managing inventory.
- Technologies Used: Java 8, Spring Boot 2, JavaScript ES5, MySQL 5, Node.js, HTML5, CSS3, JavaScript (ES5)

Quiz App
- Build a Quiz App backend with Java Spring Boot, creating REST API to manage quizzes.
- Establish endpoints for fetching questions, submitting Answers, and calculating scores.
- Validate and process user responses, compute scores, and Store results in the database using SQL.

CERTIFICATES

- Java Servlet Basics and JSP 101 by Simplilearn-2024
- Python Programming by coursera-2020
- Learning Spring with Springboot By LinkedinLearning-2024
- DeepLearning.AI by couseera-2020