Ganesh K

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SUMMARY

Highly skilled professional with over 3.5 years of experience in Full Stack Java development and a Master's degree in Computer Science. Proficient in developing and maintaining scalable web applications using Java, Node JS, Python, Spring Boot, React, and Angular. Demonstrated ability to consistently deliver successful projects on time and within budget. Strong problem-solving abilities and a track record of exceeding client expectations. Excellent communication skills and a collaborative approach to working with cross-functional teams. Committed to staying current with emerging technologies and continuously enhancing skills.

EDUCATION

Northern Illinois University, Dekalb, IL   **3.8/4**
Master's in computer science   Aug'21 - May' 23
RVR&JC College of Engineering, Guntur, India   **7/10**
Bachelor's of Engineering in Computer Science   Aug'16 - May' 20

TECHNICAL SKILLS

- **Programming:** Java8, Python, C#, Node js, Spring Boot, JUNIT, Selenium, Cucumber, REST API's, Java Script, jQuery, Angular, HTML, CSS, Java, React Framework, SQL, ShellScripting, NoSQL, Microservices and Python.
- **Tools:** Visual Studio, Eclipse, Git, GitHub, IntelliJ, Jira, DevOps, Docker, Kubernetes, Azure, AWS, Red Hat (OCP), Postgres, MySQL, MongoDB, Redis Cache, Postman, Soap UI, NetBeans, PyCharm, and SQL Server.

EXPERIENCE

Full Stack Developer, Param Technologies, Minneapolis, MN   **July 2023 - Present**
- Involved in full SDLC from requirements gathering and technical design to implementation. Followed Agile methodologies including paired programming, Test-Driven Development (TDD), and Scrum meetings.
- Implemented React components, services, and routing to enhance website functionality.
- Utilized HTML5, CSS3, JavaScript, SCSS, and React libraries (Bootstrap, Material-UI) for frontend development, along with Node.js and Express for backend services, to deliver a seamless and engaging UI/UX experience for end-users.
- Designed and implemented ETL processes for seamless data integration and transformation.
- Designed a React web application using RESTful APIs and Java backend, utilizing Redux for efficient state management.
- Developed RESTful web services using JAX-RS within a microservices architecture, leveraging Spring Boot and Spring Framework modules like Spring IOC, Spring MVC, Spring Security, and Spring JDBC with JPA annotations. Adapted RESTful APIs to GraphQL, enhancing data retrieval efficiency and flexibility.
- Implemented C# components for backend development and utilized shell scripting for automation tasks.
- Implemented microservices with Spring Boot, integrating through REST APIs and Apache Kafka, and managed Kafka clusters using Zookeeper. Developed Maven scripts for CI/CD with Jenkins, Git/GitLab, Jira, Docker, and AWS Step Functions for automation.
- Deployed a scalable SQL database on AWS Cloud with Amazon RDS for efficient data storage. Utilized serverless architecture principles with AWS Lambda, API Gateway, DynamoDB, and other components for optimized system performance and scalability.
- Automated infrastructure activities like Continuous Deployment and Application Server setup using Terraform modules, integrated with Jenkins for streamlined orchestration of deployments.

Web Developer(GTA), Northern Illinois University, DeKalb, IL   **June 2022 –May 2023**
- Designed a web application using React for the front-end and Web API as the middleware with Entity Framework for data manipulation. Utilized React Router for a Single Page Application (SPA) setup.
- Created a Java-based REST API for CRUD operations, focusing on usability. Implemented Factory and Service patterns for code separation and reusability.
- Implemented and maintained applications using React, Java, HTML5, CSS3, JavaScript, XML, JSON, AJAX, Bootstrap, and SVN.
- Developed CSS3 style sheets to give gradient effects. Developed page layouts, navigation and icons.
- Implemented Webpack for build automation and utilized Git for code versioning and traceability. Configured Jenkins for CI/CD deployment pipelines and integrated SonarQube for code quality checks.
- Created RESTful services using PHP to interact with MongoDB, leveraging MySQL commands for data retrieval and integration. This setup allowed for efficient querying and data retrieval across multiple data sources.

Full Stack Developer, Makwiz Technologies, Hyderabad, India   **Jan 2020- June 2021**
- Implemented Java EE components with Spring MVC, IOC, transactions, and security modules. Developed RESTful Web Services using JAX-RS within a Microservices Architecture using Spring Boot. Utilized various Spring Framework modules including IOC, MVC, Boot, Security, and JDBC with JPA annotations for application implementation.
- Defining and implementing security measures for microservices, including authentication, authorization, and data protection.
- Developed high-volume, scalable software with Java Spring Boot (MVC) for back-end and Angular for front-end.
- Skilled in CI/CD pipelines for automated build, test, and deployment, microservices scaling, Docker, and Kubernetes orchestration.
- Crafts optimized SQL queries and refined database designs for seamless microservices and enhanced system performance.
- Developing and maintaining RESTful APIs, integrating various microservices, and proper error handling and fault tolerance
- Deploying applications and microservices to cloud platforms like AWS, Azure, utilizing platform-specific services.
- Knowledge of Gradle, Jenkins, and Nexus for CI/CD processes and understanding of messaging systems like MQ, Rabbit MQ, Kafka.
- Familiarity with relational databases like MySQL or Postgres and understanding of columnar data stores such as Snowflake.