Deepti Rao

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Java |C#|Spring Core| ASP.NET Core| JavaScript | RDBMS | SQL | Machine Learning | Web Services

Python | Rest API | Analysis Skills | Web architecture| Database Programming | Cloud Computing | Troubleshooting

Software Development Engineer/Full-Stack Engineer

Summary:

* Highly Skilled and detail-oriented Master of Computer Science graduate student with a keen interest in Software Development Engineering and Full-stack engineering.
* Developing and directing software system validation and testing methods.
* Analyzing data to effectively coordinate the installation of new systems or the modification of existing systems.
* Communicating key project data to team members and building cohesion among teams.
* Collaborate with development teams and product managers to create innovative software solutions.
* Developing and directing software system validation and testing methods and directing our software programming initiatives.
* Consulting with engineering staff to evaluate software-hardware interfaces and develop specifications and performance requirements.

Education:

* University of Oklahoma, Norman, OK | Master of Computer Science | GPA: 3.75 /4.00 Anticipated Dec 2023
* K.S.I.T (Visweswariah Technological University), India | Bachelor of Engineering in Electronics and Communication July 2004

Technical Skills:

* Programming Language: Java, JavaScript, C#, Python
* Databases: SQL (SQL Server, MySQL)
* Project Management & Test Tools: Maven | Development Tools: jQuery, Postman
* Version Control Tool: Git, GitHub | Programming Tools: PyCharm, Visual Studio Code
* Tools and Frameworks: Angular, Spring Core, ASP.NET Core
* Others: Data Structures, Distributed and Multi-Tier Systems, Software Engineering, Algorithms, and Data Structures
* Interpersonal Skills: Strong Internet Research, Excellent Verbal, Written, and Quantitative Skills, Time Management and Prioritization Abilities, Effective Presentation and Negotiation Skills

Work Experience

Senior Software Engineer | HCL Technologies Pvt. Ltd. | Bangalore, Karnataka, India Sept 2020 – Sept 2021

* Worked on Bank Collateral Management System with Spring Boot, MS SQL Server at the backend.
* Determined the root cause for the most complex software issues and developed practical, efficient, and permanent technical solutions.
* Stayed current on new technologies and available vendor packages; evaluated and made recommendations as necessary.
* Mentored Software Engineers to allow for skill/knowledge development through advice, coaching, and training opportunities.
* Served as a technical lead contributing to and directing the efforts of development teams, including internal and external team members.

Freelancing Online Tutor for Computer Science Subjects (Remote) | Bangalore, Karnataka, India Sept 2012 – Aug 2020

* Tutored professionals and college students on Computer Science subjects like Algorithms, Data Structures, Operating systems, etc.
* Provided timely feedback on assignments and assessments to track students’ progress and identify areas of improvement.
* Engaged with students through online platforms, responding to their questions and clarifying concepts to enhance their comprehension.
* Developed personalized study materials and lesson plans tailored to each student's learning style and level of understanding.

Senior Software Engineer | Wipro Technologies Pvt. Ltd. | Bangalore, Karnataka, India Oct 2010 – Aug 2012

* Worked on the development of a proprietary CMS for an organization in the finance and securities domain.
* Determined operational feasibility by analysis, problem definition, requirements, solution development, and proposed solutions.
* Implemented Admin Panel, Authentication, Site Navigation, and Templates with different formats and styles for the CMA.
* Improved look and feel, localization, and profile management features of the CMS.
* Implemented simple search (on parameters like the author, and publication date). Used hibernate as ORM and MySQL as backend.
* Wrote stored procedures and triggers for the above-mentioned modules.

Software Developer | Endeavour Software Technologies | Bangalore, Karnataka, India Jan 2008 – Apr 2009

* Developed SOAP Web services for various clients: web pages, and mobile apps. Learned RESTful Services using Spring Boot.
* Analyzed information to recommend and plan the installation of new systems or modifications of an existing system.
* Optimized web pages by incorporating various features of ASP.NET such as Caching, Session Management, Windows Authentication, Grid view, and Pagination, resulting in a significant 25% improvement in response time.
* Recommended adopting the upcoming Test-Driven Development (TDD) approach using NUnit in projects, and successfully demonstrated its implementation to the rest of the team, leading to a notable 20% reduction in bugs.