Baby Vennela Kothakonda

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PROFESSIONAL SUMMARY

- Well-qualified Full Stack Developer familiar with wide range of programming utilities and languages. Knowledge of backend and frontend development requirements. Handles any part of process with ease. Collaborative team player with excellent technical abilities.
- Involved in batch processing using Spring Batch framework to extract the data from database and load into the corresponding application tables.
- Proficiency in the Software Development Life Cycle (SDLC), Agile, and Waterfall.
- Good understanding of developing applications in Single Page (SPA's) using various JavaScript frameworks such as Node.js, and React JS.
- Capable of programming with IDEs like NetBeans and IntelliJ IDEA.
- Proficient in programming, Front End Web App, and User Interface (UI) development using React.JS, HTML, CSS, JavaScript, jQuery, XML, JSON, and AJAX.
- Knowledge of database designing with MySQL and SQL Server.

SKILLS

- Methodology: SDLC, Agile, Waterfall
- Languages: Java, Python, SQL
- Frameworks/Libraries: Spring MVC, Spring Batch, Hibernate, Node.js, React.js
- IDE's: NetBeans, IntelliJ IDEA, Eclipse IDEA
- J2EE Technologies: Servlets, JSP, JSTL, JavaBeans, JDBC
- Web Technologies: HTML, CSS, JavaScript, Bootstrap, JQuery, Ajax, JSON, XML

- Application Server: Apache Tomcat, WebSphere
- Database: MySQL, SQL, MongoDB
- Build /Other tools: Maven, Gradle, AWS
- Version Control Tools: Git, GitHub
- Operating Systems: Windows, Linux, Mac OS

WORK HISTORY

JAVA FULL STACK DEVELOPER | 12/2022 to Current
FSTECK LLC

- Working as on Agile environment, with ability to accommodate and test newly proposed changes at any point time during release.
- Developing UI using Spring MVC framework, JSP, JSTL, HTML, CSS, JavaScript, jQuery, and AJAX
- Deploying and testing application on Apache Tomcat web server
- Using NetBeans IDE for development and Ant build for building and deploying applications
- Involving in developing business logic components using JavaBeans and Servlets
- Using Maven to automate build and deploy process and Git was used for project management and version management.

RESEARCHER AND GRADER FOR COMPUTING III | 09/2022 to 12/2022
University of Massachusetts

- Involved one of research labs at University of Massachusetts Lowell for developing a website for the Lab introduction .
- Researcher at Bio-Chemistry Research Lab (UMass Lowell): In this role, I served as the technical leader within the Bio-Chemistry research lab at the University of Massachusetts, Lowell. My primary objective was to modernize and optimize existing LabVIEW programs used for research in bio-chemistry.
- Conversion of LabVIEW to Python: I led the transition of LabVIEW programs to Python, facilitating cross-platform compatibility and enhancing the versatility of our research tools.

- Efficiency Enhancement: I focused on improving the efficiency of our programs. This involved streamlining code, optimizing algorithms, and minimizing resource consumption to ensure quicker and more reliable results.
- Adapting for Single-Chip Devices: One of the core aspects of the role was to adapt the functionality of our research tools to work on single-chip devices. This involved significant software and hardware modifications to make our applications more portable and versatile.
- Collaboration and Leadership: I collaborated closely with the research team, guiding and coordinating efforts to ensure a smooth transition and implementation of these changes. Additionally, I provided technical leadership and expertise in programming, hardware integration, and system optimization.
- Working as grader for Computing III Under Prof Robert Marcquea where responsibilities involve resolving all assignments and grading them unbiasedly.

SOARCS INSTRUCTOR | 05/2022 to 08/2022
University of Massachusetts

- Worked as an Instructor for SoarCS, where my responsibilities involve with teaching student's programming languages (Python, MYR, Micro: bit) and make them proficient and learn them from basics.
- Developed a comprehensive curriculum introducing students to fundamental computer science concepts, featuring engaging, project-based learning materials that encouraged hands-on coding practice.
- Conducted instructional sessions, teaching computer science principles, and guiding students through coding exercises, projects, and assignments. Fostered a collaborative and inclusive learning environment.
- Provided guidance and mentorship to incoming Computer Science majors, aiding their program navigation, addressing academic challenges, and offering career insights. Acted as a source of inspiration and support for their academic journeys.
- Shared personal experiences and insights as a UMass Lowell Computer Science student, connecting newcomers with campus life, academic achievements, and the wider computer science community.
- Collaborated with a small team of instructors and program coordinators to ensure program cohesiveness and effectiveness. Shared best practices, coordinated teaching methods, and contributed to the overall success of the SoarCS programs

GRADER FOR FOUNDATION OF COMPUTER SCIENCES | 01/2022 to 05/2022
University of Massachusetts

- Worked as grader for Foundation of Computer Science under Prof Wang, where responsibilities involve resolving all student's queries and discussing several additional examples on topic for deeper understanding.
- My Key responsibilities include: Homework Solution Sessions: Conduct a 2-hour Zoom session each week to assist students in understanding and solving homework assignments. Provide clear explanations, tips, and guidance to help students grasp the course material and complete their assignments effectively.
- Student Support: Be readily available during your designated hours to respond to student inquiries, address concerns, and offer additional assistance as needed. This includes providing explanations, clarifications, and guidance on course concepts and materials.
- Grading: Assist in the grading process by evaluating homework assignments and assessments, providing constructive feedback to students, and ensuring that grading is consistent with course guidelines and rubrics.
- Collaboration: Collaborate closely with the course instructor to align grading standards, address any course-related issues, and communicate effectively to maintain a cohesive learning environment.

JAVA DEVELOPER | 11/2020 to 03/2021
ECIT

- Involved as an Intern in SDLC Requirements gathering, Analysis, Design, Development, and Testing production of application using Waterfall model
- Configured deployment descriptors in Hibernate to achieve object-relational mapping
- Developed UI using JSP, JSF, HTML, CSS, JavaScript, and jQuery.
- Development carried out under NetBeans Integrated Development Environment (IDE) and Used Git for version control

- Actively involved in deployment of Application war files in Tomcat Application server
- Used Apache Tomcat in development environment and WebSphere in production environment.

FULL STACK DEVELOPER | 01/2019 to 08/2020
Krishil7 Communication And Services - India

- Reviewed code, debugged problems, and corrected issues.
- Involved in requirement gathering and testing of the system. Developed the Security features of the System where the users were authenticated and identified using their unique voter id, which mapped to users information in the database.
- Developed Front-end system using MVC Architecture Model.
- Designed and implemented front end web pages using JSP, HTML and XML/XSLT.
- Used Struts tag library to code JSP.
- Performed Java Database Connectivity and involved in Database Design.
- Tested and debugged all the components in Web Logic.
- Wrote SQL, PL/SQL (Procedures/Functions/Packages/Triggers) to handle business functionality.
- Analyzed existing software implementations to identify areas requiring improvement.
- Developed functional databases, applications and servers to support websites on back-end.
- Worked with back-end developers to design APIs.
- Developed unit test cases for testing and automation.

EDUCATION

University of Massachusetts Lowell - Lowell, MA | Bachelor's of Science
Computer Science, 12/2022
GPA: 3.2