Arun Kumar Allam

✉ arunkumarallam37@gmail.com 📞 +1(361)-228-3355 📍 United States in LinkedIn

EDUCATION

Master of Science in Computer Science, *Texas A&M University*   08/2022 – 05/2024 | Kingsville, Texas
Relevant Coursework – Analysis of Algorithms | Operating Systems | Computer Communication Networks | Database Systems | Advanced Computer Architecture | Artificial Intelligence | Data Mining | Compiler Design | Real-time Systems | Computer Storage Systems

SKILLS

Programming
Java, Python, C, C++, C#, JavaScript, TypeScript, ReactJS

Frameworks
Spring Boot, Spring MVC, Hibernate, Selenium, ASP.Net, .Net Core

Cloud Services
Azure, AWS (Lambda, EC2, S3, SQS, SNS, Elasticsearch, SageMaker, Step functions)

Database
SQL Server, MySQL, MongoDB, DynamoDB, T-SQL, PostgreSQL, PL/SQL

Web Technologies
HTML5, CSS3, XML, PHP, Bootstrap

Miscellaneous
Microsoft Visual Studio, Eclipse/STS, GitHub, MS Office, PowerShell, VS Code

PROFESSIONAL EXPERIENCE

Software Engineer, *Accenture*   04/2021 – 08/2022
- Developed REST APIs for back-end systems using Spring Boot.
- Optimized SQL queries, indexes, and stored procedures for efficient data retrieval and processing.
- Implemented a CloudWatch event source trigger for 24-hour data aggregation.
- Developed and integrated the cookie consent banner to ensure compliance with privacy regulations and regularly updated the banner to align with changing privacy policies and industry standards.
- Streamlined deployment processes and improved software quality by implementing CI/CD pipelines with Docker, Jenkins, and Kubernetes, reducing deployment time by 20%.
- Experienced in SDLC, Agile, JIRA, and Scrum methodologies for efficient project management.

Associate Software Engineer, *Accenture*   07/2019 – 04/2021
- Designed and maintained RESTful APIs using Spring MVC and Spring Boot, improving server response time and page load speed.
- Utilized Spring Data JPA and Hibernate for database access, ORM, and efficient querying of MySQL.
- Performed thorough code reviews, adhering to Java programming best practices and design patterns, to guarantee the long-term maintainability and scalability of the applications.
- Collaborated with cross-functional teams to design and implement scalable, efficient solutions.

PROJECTS

Bank Management System, *(Java, Spring MVC, MySQL, Angular)*   08/2023 – 11/2023
- Designed and implemented the user interface utilizing Angular framework, ensuring seamless navigation and optimal user experience.
- Programmed RESTful APIs using Spring MVC, facilitating smooth communication between the frontend and backend systems.
- Ensured efficient data persistence by leveraging Spring Data JPA and Hibernate frameworks, maintaining data integrity and reliability.

Online Shopping Platform, *(Java, Spring Boot, Angular, MongoDB)*   01/2023 – 04/2023
- Utilized Spring Boot to create RESTful APIs for managing product catalog and user orders.
- Implemented Angular for building a responsive and dynamic frontend.
- Integrated MongoDB for storing product details, user profiles, and order information.
- Enhanced system scalability and performance through efficient database indexing and caching mechanisms.

Game of Life Simulation, *(Java, JavaScript, HTML5, CSS3)*   09/2022 – 12/2022
- Developed core logic and a visual interface for Conway's Game of Life in Java, using Swing for interactive simulations.
- Created a web-based version with JavaScript, HTML5, and CSS3, featuring an interactive UI and integrated it with the Java backend via RESTful APIs for seamless synchronization.

AWARDS

Skills Star award, *Accenture*
- Received Skills Star award in Accenture for outstanding performance and consistently applying New IT Skills for impactful business outcomes, demonstrating expertise in optimizing and scaling applications for optimal performance and efficiency.