Fatiha Syed

| fatihasyed2004@gmail.com | 469-363-5950 | Carrollton, Texas |

Detail-oriented and adaptable Software Engineer with hands-on experience in full-stack web development and backend engineering using Java, Spring Boot, and .NET technologies. Skilled in building scalable, responsive applications and developing RESTful APIs, with experience deploying cloud-based services on AWS (EC2, S3, RDS, Lambda) and exposure to Microsoft Azure App Services. Proficient in writing clean, optimized SQL queries, working with Microsoft SQL Server, and using Entity Framework to streamline backend development. Strong foundation in C++, C, Python, and JavaScript, with 4+ years of experience using ASP.NET MVC, HTML, CSS, and jQuery to deliver dynamic, data-driven applications. Comfortable working in Agile/Scrum environments, collaborating with cross-functional teams, and managing multiple tasks under tight deadlines. Familiar with tools like DOORS, JAMA, and ERWIN for software traceability and data modeling. Known for strong analytical thinking, fast learning, and a user-focused mindset, with a proven ability to deliver system and process improvements that enhance efficiency, data accuracy, and user experience. Adept at working in virtual teams, mentoring peers, and aligning technical work with business objectives in real-world software development settings.

PROFESSIONAL EXPERIENCE

Nov 2024 - May 2025 **Radus Software**

Project Summary: Contributed to the development of full-stack web applications for government agencies, including the IRS and SBA, as part of a software engineering team at Radus Software. Focused on building secure, scalable backend systems using Java, Spring Boot, and AWS, supporting high-volume data workflows and strict compliance requirements.

- Developed and maintained RESTful APIs using Spring Boot and AWS Lambda to enable reliable, real-time data exchange across multiple government systems.
- Integrated AWS DynamoDB as the primary NoSQL solution, designing scalable data models to support efficient storage and retrieval of critical information.
- Improved application performance by optimizing API logic and reducing code redundancy by 25%, contributing to faster response times and better resource usage.
- Collaborated in an Agile environment to implement critical software updates, troubleshoot backend issues, and coordinate across development and QA teams to meet government deployment deadlines.
- Utilized AWS API Gateway to expose secure endpoints and configured IAM roles, VPC endpoints, and encryption to meet federal security standards.
- Established proactive monitoring and alerting with Amazon CloudWatch, enabling early detection of latency and throughput issues, while also automating backups via AWS Data Pipeline and DynamoDB On-Demand Backup.
- Created internal documentation and training materials to support team-wide adoption of AWS best practices and database reliability improvements.

Jan 2024 - Mar 2024 **MaxSoft IT LLC** *Frisco, Texas*

Software Developer - Intern

- Contributed to the development and optimization of data integration workflows and job scheduling systems using Autosys, creating and maintaining JIL scripts for job execution across complex ETL pipelines. Participated in unit, integration, and UAT testing to validate data integrity, while recommending indexing, partitioning, and constraints to improve database query performance.
- Collaborated with cross-functional teams to monitor and troubleshoot ETL processes through metadata dashboards, ensuring accurate data movement and minimizing processing delays.
- Gained hands-on experience with Informatica PowerCenter, including installation, configuration, and performance tuning, with practical application of Change Data Capture (CDC) for efficient data tracking. Leveraged Oracle (10g/11g) and Teradata utilities (FastLoad, MultiLoad, TPump) to manage large-scale data loads and transformations.
- Utilized XML, flat files, and third-party data tools including Tableau, Salesforce, and Business Objects Explorer to support reporting, visualization, and client-facing analytics delivery.
- Developed UNIX shell scripts to automate operational tasks within a UNIX-based environment, and worked with third-party schedulers like ESP to coordinate jobs across distributed systems.
- Engaged in data modeling activities using ERWIN, contributing to the design of scalable database schemas aligned with business and technical requirements.
- Operated within both Agile and Waterfall methodologies, gathering requirements from business analysts and architects to create detailed ETL documentation, and developing robust mappings and procedures for historical, transactional, and reference data workflows.

TECHNICAL SKILLS

Languages: Python, R, SQL, Java, C++, C, Assembly

Frameworks/Technologies: Spring Boot, ASP.NET MVC, Entity Framework, RESTful APIs, HTML, CSS, JavaScript, jQuery

Cloud: AWS (Lambda, SQS, DynamoDB, Step Functions), Microsoft Azure

Data & Visualization Tools: MATLAB, Minitab, SPSS, Tableau, Power BI, Matplotlib

Databases: Microsoft SQL Server, DynamoDB, MySQL

Tools & Methodologies: Git, Agile/Scrum, JIRA, Visual Studio, DOORS, JAMA

EDUCATION

- Bachelor’s in Computer Science, The University of Texas at Dallas, 2025
- Associates Degree in Software Engineering, Collin College, 2022