Ahmed Shehata Abdelhamed

Full Stack .Net Core
+1 Years Experience

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Highlight

Hi, I'm Ahmed Shehata, +3 years of experience at birchford technologies. Specializing in business analysis, troubleshooting, and application support. Over the past year, I have independently pursued and deepened my expertise in software development, with a focus on ASP.NET CORE MVC. I am now eager to transition into software Developer role, leveraging my strong background in technology and hands-on development skills. Proficient in .NET Core, C#, and SQL databases, I excel at analyzing user requirements and translating them into actionable development tasks. I am committed to using my analytical skills and technical expertise to contribute to innovative software solutions.

Education

Degree	:	Bachelor of Management Information Systems
University	:	High Institute For Computer & Management Science (HICMS).
Grade	:	Very-Good.

Language Skills

Arabic	:	Mother tongue.
English	:	Very Good.

Technical Skills

Languages, Technologies, and other Skills:

- **Programming Languages**: Proficient in C#.NET, ASP.NET MVC, ASP.NET Core MVC
- **Database Management**: Experienced with SQL Server; proficient in T-SQL, LINQ, and Entity Framework/Core
- **Software Architecture**: Knowledgeable in 3-Tier architecture
- **User Interface Design**: Skilled in HTML5, CSS3, Bootstrap5, customizing DataTables, and developing admin LTE dashboards
- **Version Control**: Extensive use of GitHub for code version management and collaboration

- **Other Technologies**: Experienced in JavaScript, jQuery

Tools

- Microsoft Visual Studio, Microsoft SQL Server
- Visual Studio Code, Postman, Swagger

Business Analysis and Application Support Skills

- **Business Analyst:** Profound ability to perform business analysis, engage with stakeholders to gather requirements, and drive process improvements.
- **Application Support:** Strong background in providing end-user support, troubleshooting application issues, and ensuring reliable application performance.
- **Training:** Experience in providing banking courses, enhancing team knowledge and operational skills.
- **Testing:** Proficient in various testing methods to ensure application functionality and performance meet the required standards.

Tools:
- Microsoft Visual Studio, Microsoft Sql server.
- Visual Studio Code, Postman, Swagger.

Work experience

Senior Business Analyst / Junior Business Analyst (3 Years)
Birchford Technologies — June 2021 - June 2024

- **As Senior Business Analyst (June 2023 - June 2024)**:
- Led strategic projects like the Instant Payment Network (IPN) Integration and Card Management System Integration (Network International).
- Developed and delivered educational Course on new SWIFT technology (ISO 20022).
- **As Junior Business Analyst (June 2021 - June 2023)**:
- Supported financial system integrations such as SWIFT STP and RTGS System.

Key Achievements:

- Rapidly promoted from Junior to Senior Business Analyst within two years.
- Spearheaded major integration projects, significantly enhancing banking operations and client services.
- Designed and led courses on ISO 20022, boosting client capabilities in new technologies.

Software Developer (6 Months)

- **Project:** ASP.NET Core MVC Web Application Development
- **Overview:** Developed a web application using ASP.NET Core MVC, structured around a 3-tier architecture (DAL, BLL, WEB) to ensure separation of concerns and enhance maintainability.
- **Responsibilities:**
  - **Data Access Layer (DAL):**
    - Defined models representing each database table.
    - Managed application context for database operations.
    - Extended entity functionalities to include additional properties and methods as needed.
  - **Business Logic Layer (BLL):**
    - Implemented EmailSender logic for notification services.
    - Utilized AutoMapper for mapping between entity models and DTOs to ensure data integrity and abstraction.
    - Managed DTOs used in controllers for data handling and transfer.
    - Encapsulated core business logic ensuring high cohesion and maintainability.
    - Implemented a Generic Repository for CRUD operations, enhancing code reusability.
    - Developed custom validations (e.g., ValidEmailDomainAttribute) to enforce business rules.
  - **Web Presentation Layer (WEB):**
    - Managed user interactions, handled requests, and responses.
    - Developed views for a dynamic user interface.
    - Managed static resources including scripts, stylesheets, library files, and their customization.

Key Technologies and Packages:

- Entity Framework Core with SQL Server for ORM functionalities.
- Utilized various Microsoft Identity packages for robust authentication and authorization, including external logins (Facebook, Google).
- Integrated NLog for comprehensive logging, facilitating debugging and tracking system processes across environments.

Technical Tasks

ASP.NET Core MVC Project
Overview: *Developed a web application using ASP.NET Core MVC, structured around a 3-tier architecture (DAL, BLL, WEB) to ensure separation of concerns and enhance maintainability.*

Architecture and Development:

- **Data Access Layer (DAL):**
- *Entity:* Defined models representing each database table.
- *Database:* Managed application context for database operations.
- *Extend:* Extended entity functionalities to include additional properties and methods as needed.
- **Business Logic Layer (BLL):**
- *Helper:* Implemented EmailSender logic for notification services.
- *Mapper:* Utilized AutoMapper for mapping between entity models and DTOs to ensure data integrity and abstraction.
- *Model:* Managed DTOs used in controllers for data handling and transfer.
- *Services:* Encapsulated core business logic ensuring high-cohesion and maintainability.
- *Repository:* Implemented a Generic Repository for CRUD operations, enhancing code reusability.
- *Utility:* Custom validations (e.g., ValidEmailDomainAttribute) to enforce business rules.
- **Web Presentation Layer (WEB):**
- *Controllers:* Managed user interactions, handled requests, and responses.
- *Views:* Developed views for a dynamic user interface.
- *wwwroot:* Managed static resources including scripts, stylesheets, library files, and it's customization.

Key Technologies and Packages:

- Entity Framework Core with SQL Server for ORM functionalities.
- Utilized various Microsoft Identity packages for robust authentication and authorization, including external logins (Facebook, Google).
- Integrated NLog for comprehensive logging, facilitating debugging and tracking system processes across environments.

Advanced Features and Implementations:

- Designed and implemented a Generic Repository pattern to standardize CRUD operations.
- Enhanced user experience with AJAX for asynchronous data interactions and real-time updates.
- Applied comprehensive validations both client-side and server-side to ensure data integrity.
- Leveraged Dependency Injection and Inversion principles for decoupling components and improving testability.
- Customized Microsoft Identity features to handle user management, role management, and user claims with policies for CRUD operations.
- Configured and managed external authentication methods, including Facebook and Google logins.
- Applying Admin LTE Dashboard
- Applying DataTables supporting sorting, pagination, data info, search, and custom styles (Server Side and Client Side).