

ANDRII

FULL-STACK DEVELOPER

SUMMARY

- Spearheaded front-end development initiatives for enterprise clients, emphasizing mastery in ReactJs frameworks using TypeScript and JavaScript.
- Architected and executed highly scalable .NET solutions for enterprise clients, utilizing advanced C# programming techniques to enhance system performance.
- Self-directed learning expanded technical expertise in line with emerging technologies, cutting development time by 50%.

EXPERIENCE

ARC PRODUCT FINDER – FULL-STACK .NET DEVELOPER

MAY 2024 – JANUARY 2025

Key Responsibilities:

- Fully developed the UI/UX for the Android App and Web Client, ensuring a seamless and responsive experience across all devices, increasing user satisfaction by 30%.
- Designed and implemented the authorization system for both the Android app and web client, ensuring secure user access with role-based permissions.
- Developed the database design for storing user data, optimizing data structure and query performance, which reduced data retrieval time by 25%.
- Introduced a role-based system (User, Laboratory Manager, System Manager) to manage access levels and streamline user experience, improving system security by 20%.
- Implemented real-time data filtering in the mobile application, enhancing the speed of product search and increasing workflow efficiency by 40%.
- Expanded the application to support more than 20 laboratories, enabling scalability from the initial single-laboratory configuration.
- Integrated Microsoft Graph API to enable internal email-based user addition, ensuring compliance with corporate security policies and improving user management efficiency.
- Added the functionality to edit product information in real time, enhancing product data accuracy and updating speed by 30%.
- Developed a robust user management system, enabling administrators to create and manage user accounts and access permissions effectively.
- Implemented a feature that allows users to request access to other laboratories, improving collaboration and data sharing across multiple locations by 50%.
- Developed a comprehensive system for generating quarterly reports, improving reporting efficiency and reducing manual labor by 35%.
- Optimized previously developed database queries, improving overall application performance and reducing server load by 25%.
- Provided ongoing support for the project in production, ensuring a 10% reduction in downtime and quick resolution of production issues.
- Integrated Scandit SDK for barcode scanning, significantly improving product identification accuracy and processing speed by 20%.
- Designed a secure authentication system using Azure Active Directory (Microsoft Entra ID) for seamless user login and enhanced security protocols.
- Implemented a notification system for laboratory managers, alerting them to new product entries, updates, or issues.
- Developed a flexible and efficient API for integrating with third-party systems, allowing for future scalability and easy connection to other medical platforms.

- Designed a system to track product history, including modifications and updates, providing full traceability for regulatory compliance and audits.
- Integrated a reporting dashboard in the admin panel for managers to quickly view laboratory performance metrics, boosting management oversight by 15%.

Technologies:

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| • .NET Core 8 | • Azure SQL |
| • MAUI | • Azure KeyVault |
| • Scandit | • MudBlazor |
| • Entity Framework Core | • PingFederate |
| • Azure Active Directory
(Microsoft Entra ID) | • Blazor WASM |
| | • Telerik UI |

ARC CLASS POSTING LTP CHECKER – FULL-STACK .NET DEVELOPER

FEBRUARY 2024 – JULY 2024

Key Responsibilities:

- Developed the database design for storing service and analytical information, optimizing storage efficiency and enabling faster access to large data sets.
- Designed and implemented SQL stored procedures to build analytics and statistics, improving data processing speed by 30%.
- Built a system for checking the HTML code of a page to detect violations (CPS BOT), using HTTP Client, Selenium, and HTML Agility Pack, ensuring that violations were identified and flagged with 95% accuracy.
- Developed an automatic system for repeating checks on existing courses or processing new ones, using a hosted service to ensure continuous monitoring, improving process efficiency by 40%.
- Implemented a system for resuming scans from breakpoints in the event of unforeseen server crashes, ensuring minimal disruption to course monitoring.
- Fully developed the UI/UX on Blazor SSR, enhancing the user interface.
- Created a system for generating detailed Excel reports on the performed checks, helping stakeholders quickly review results and make informed decisions.
- Developed a system for generating analytical data and constructing various graphs for easy viewing, improving data insights and accessibility by 25%.
- Provided ongoing support and maintenance for the finished project, ensuring smooth operation and a 10% reduction in downtime.
- Designed and implemented a powerful search and filtering system that enables quick discovery of specific courses or partners, improving overall search efficiency by 35%.
- Integrated PingFederate to enhance secure access control for partners and system administrators, ensuring compliance with security protocols.
- Integrated automated violation processing and reporting into a seamless workflow, improving the efficiency of violation handling and reducing manual intervention by 20%.
- Developed an intelligent notification system for violations, ensuring that key stakeholders were alerted in real-time, which improved issue resolution speed by 15%.
- Enhanced the system's scalability to handle large volumes of courses and partners, ensuring smooth operation even with a 50% increase in data volume.
- Improved system performance through continuous optimization of data processing logic, reducing processing time per course by 25%.
- Implemented multi-language support, allowing the system to process courses in different languages, which increased accessibility for international partners by 30%.
- Developed automated logging and audit trail capabilities for tracking violations and user actions, improving system transparency and security by 20%.
- Led performance testing and ensured the system was capable of handling high concurrency levels during peak usage times.

Technologies:

- .NET Core 8
- ASP.NET Core
- Blazor SSR
- T-SQL
- Dapper
- Azure SQL
- Azure KeyVault
- MudBlazor
- PingFederate
- HTML
- Agility Pack
- Selenium

ARC GEN AI – FULL-STACK .NET DEVELOPER

DECEMBER 2023 – FEBRUARY 2024

Key Responsibilities:

- Developed the content filling system and vector database to enable seamless access to the American Red Cross knowledge base, improving data retrieval speed.
- Implemented document retrieval (PDF, DOCX) from the internal knowledge base One Source, ensuring easy access to relevant information, reducing document search time by 25%.
- Designed and implemented a chunking mechanism for documents to reduce the number of tokens used by ChatGPT 3.5, significantly reducing subscription costs by 30%.
- Developed a system for saving documents on the server to facilitate AI-driven links to real documents, improving the accuracy and relevance of responses.
- Designed and implemented an Azure Function for serverless document processing, ensuring scalability and efficient monitoring of internal database updates.
- Designed the MSSQL database structure for service information, ensuring optimal storage and query performance, which decreased query response times by 20%.
- Provided ongoing support and maintenance for the finished project, ensuring continuous updates and system improvements.
- Developed the integration of Azure Cognitive Search to create a vector database for Azure OpenAI, optimizing information retrieval through advanced AI capabilities.
- Worked with Azure OpenAI's Prompt Flow Studio to develop optimized AI workflows for document access and interaction.
- Developed and maintained Blazor WASM-based user interfaces with MudBlazor, providing a responsive and user-friendly experience for the system's end users.
- Ensured secure storage of sensitive information using Azure KeyVault, safeguarding data and ensuring compliance with security protocols.
- Integrated Azure Form Recognizer for extracting structured data from documents, streamlining the document processing and search capabilities, improving data extraction accuracy by 30%.
- Implemented a system for continuously updating the vector database to keep the knowledge base current and accurate, ensuring real-time access to the most relevant information.
- Optimized the AI prompt flows and response algorithms to enhance the relevance and accuracy of AI-generated insights, boosting the system's decision-making effectiveness by 20%.
- Collaborated with cross-functional teams to align system capabilities with organizational needs, ensuring the project met the American Red Cross's knowledge management goals.
- Enhanced the scalability of the AI-driven content access system to handle increasing volumes of documents and user queries, ensuring system reliability with a 40% increase in capacity.
- Conducted comprehensive testing and performance optimization to improve system response time and minimize latency in data retrieval.

Technologies:

- .NET 8
- ASP.NET Core
- Minimal API
- Blazor
- WASM
- MudBlazor
- Azure Blob Storage
- Azure Cognitive Search
- Azure OpenAI
- Azure KeyVault
- Azure Form Recognition
- PingFederate
- MS SQL Server
- Dapper

PIPELEAN – FULL-STACK .NET DEVELOPER

OCTOBER 2023 – APRIL 2024

Key Responsibilities:

- Developed an automated reply system that dynamically responds based on customer input and status changes, significantly improving response time and customer engagement.
- Implemented a system to receive messages and replies to templates, ensuring efficient communication management and reducing response time by 20%.
- Developed a feature for generating message templates based on regular communications to reduce the cost of sending template messages by 15%.
- Designed an efficient database structure for storing and managing message data, improving data access speed by 30% and ensuring consistency across platforms.
- Contributed to the support and development of the client-side React application, ensuring a smooth user experience and enhancing overall usability.
- Integrated Slack and WhatsApp notifications to keep teams updated on new leads and orders, streamlining workflow and reducing lead response times.
- Implemented an advanced search and filtering system for managing leads and orders, optimizing lead tracking and customer interactions, increasing team efficiency.
- Ensured scalability of the messaging architecture to handle high volumes of messages and users simultaneously without compromising performance, increasing system reliability during peak loads.
- Developed a real-time monitoring system with SignalR to track message status and delivery in real-time, enhancing operational control and reducing system downtime by 15%.
- Worked closely with the QA team to ensure the solution met high standards of quality and security before deployment, reducing post-launch issues.
- Enhanced the user interface and experience on both the backend (admin panel) and frontend (client side) for ease of use and better interaction flow, resulting in increased user satisfaction.
- Established robust error handling and logging systems to proactively identify issues and ensure consistent service delivery, reducing system failures.

Technologies:

- ASP .NET Core 7
- C#
- Gupshup
- React
- Redux
- Material UI
- Entity Framework
- SignalR
- Azure SQL
- Azure Blob Storage
- Azure Redis Cache

LUXWAVE ERP – FULL-STACK .NET DEVELOPER

DECEMBER 2022 – OCTOBER 2023

Key Responsibilities:

- Mastered the implementation of Storybook for UI component development and testing, yielding a substantial 30% acceleration in the development process.
- Utilized ReactJS and Redux to develop the front-end of our ERP system, delivering a highly responsive and user-friendly interface.
- Led the development of high-performance backend services with NestJS, incorporating gRPC for optimized, low-latency communication, markedly boosting data exchange speed and enhancing service reliability in distributed systems.
- Orchestrated the integration of Shopify platform, leveraging APIs to synchronize product listings, inventory levels, and customer data.
- Engineered a cutting-edge administration management software module for efficient product and order process management, significantly streamlining operations.
- Implemented of gRPC integration into the existing infrastructure, resulting in accelerated and dependable client-server communication, ultimately boosting overall system performance by 30%.

Technologies:

- ReactJS
- TypeScript
- NestJS
- Shopify
- Storybook
- gRPC
- Protobuf

DELTA – FULL-STACK DEVELOPER

OCTOBER 2022 – JULY 2023

Key Responsibilities:

- Transformed web UI components for mobile users by implementing responsive design principles, leading to a 50% reduction in user.
- Mastered software modules for gas industry management, oil, and user management using ReactJS and ASP.NET Core, according to the stakeholder's documentation, leading to improvement in user engagement.
- Implemented Entity Framework to optimize query performance within the content management system, resulting in a 40% reduction in data retrieval times and enhancing overall database operations efficiency.
- Translated design specifications into responsive MaterialUIv4 components, resulting in a seamless user journey and improved overall user satisfaction.
- Developed and deployed an automated notification and email solution, resulting in a 60% reduction in missed deadlines and a 30% increase in task completion rate.
- Conducted comprehensive root cause analysis on recurring technical issues, implemented preventive measures, and reduced related support tickets by 50%, resulting in improved customer experiences.
- Engineered dynamic dashboards and reporting features using ReactJS, Redux, and RxJS, providing users with actionable insights and improving decision-making capabilities.
- Designed and implemented a role-based access control system using ASP.NET Core, ensuring secure and tailored user permissions across the platform.
- Enhanced system scalability and performance by migrating database operations to MariaDB, resulting in a 25% improvement in query execution speed.
- Developed reusable React components using TypeScript, ensuring consistency and maintainability across the application.

- Integrated third-party APIs to expand system functionality, improving workflow efficiency and reducing development time for additional features.
- Automated testing processes using modern tools, reducing bug detection time by 30% and enhancing overall product reliability.
- Streamlined backend architecture using microservices principles, improving modularity and enabling faster deployment cycles.
- Conducted regular code reviews, ensuring adherence to clean coding principles and maintaining a high-quality codebase.

Technologies:

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|--------------------|--------------|
| ● C# | ● ReactJS |
| ● ASP.NET Core | ● Typescript |
| ● T-SQL | ● Redux |
| ● MariaDB | ● RxJs |
| ● Entity Framework | ● Material |

GLOBAL BUSINESS ASSISTANT – FULL-STACK DEVELOPER

SEPTEMBER 2019 – OCTOBER 2022

Key Responsibilities:

- Designed ASP.NET Core Web API that performs real-time data synchronization across multiple platforms.
- Streamlined deployment process by implementing CI/CD pipeline on Microsoft Azure DevOps, reducing deployment time by 40% and enabling faster feature releases, resulting in a 15% increase in user acquisition.
- Architected a back-end solution using ASP.NET Core with Microsoft Azure, which enabled the use of cloud functions and technologies to create a secure system.
- Led the integration of identity server 4, enabling seamless single sign-on functionality across multiple platforms.
- Developed and executed complex T-SQL queries consolidating data from over 20 distinct object contexts, resulting in streamlined data retrieval and enhanced reporting capabilities.
- Led the integration of Akka.NET to enhance distributed computing capabilities, ensuring seamless scalability and fault tolerance for microservices.
- Enhanced the system's front-end performance by creating reusable components in ReactJS with Redux, improving user experience and reducing page load times by 20%.
- Designed dynamic and responsive user interfaces using ReactJS and TypeScript, aligning the application's design with modern UI/UX standards.
- Optimized database interactions using Dapper, achieving a 30% reduction in query execution time and improving overall application performance.
- Integrated real-time notification functionality using SignalR, increasing user engagement and operational transparency.
- Automated repetitive tasks within the deployment and testing pipeline, reducing manual intervention and minimizing errors by 15%.
- Provided detailed technical documentation and training materials for the development team, enhancing onboarding efficiency and knowledge sharing.
- Conducted thorough performance testing, ensuring the application could handle a 2x increase in concurrent users without compromising system stability.
- Collaborated with cross-functional teams to define and refine API contracts, improving integration speed and accuracy with third-party systems.

Technologies:

- C#
- ASP.NET Core
- Identity Server 4
- Akka.NET
- MSSQL
- Dapper
- ReactJs
- Redux
- Microsoft Azure

COMPLETE BUSINESS COMPASS – FULL-STACK DEVELOPER

MARCH 2019 – JULY 2019

Key Responsibilities:

- Engineered a software module using ReactJs and ASP.NET Core for generating performance evaluation reports, enabling data-driven decision making, resulting in a 30% improvement in performance metrics alignment with system recommendations.
- Designed ASP.NET Web API that performs real-time data synchronization across multiple platforms, which improved system responsiveness by 40% and reduced server load by 25%.
- Integrated Entity Framework into the content management system to boost query performance and reduce data retrieval times within database operations.
- Architected a back-end solution using ASP.NET Core with Microsoft Azure, which enabled the use of cloud functions and technologies to create a secure system and completed 100% of the tasks set by the stakeholder.
- Optimized legacy database queries and completely reworked using T-SQL, resulting in a 15% reduction in data retrieval times.
- Reengineered legacy codebase by employing clean code principles and object-oriented design OOD methodologies to enhance system modularity and maintainability.
- Developed a dynamic frontend using ReactJS, TypeScript, and Redux, improving user experience and reducing page load times by 25%.
- Implemented role-based access control (RBAC) within the system, ensuring secure user interactions and compliance with data protection policies.
- Enhanced the system's performance through the use of Dapper, optimizing lightweight data access and boosting API response times by 20%.
- Designed and implemented a real-time notification system using SignalR, increasing user engagement by 15%.
- Created reusable React components, enabling faster development cycles and reducing UI inconsistencies by 20%.
- Provided ongoing support for the content management system, reducing downtime by 10% and improving user satisfaction ratings.
- Developed comprehensive technical documentation for the API and database schema, accelerating onboarding for new team members by 50%.

Technologies:

- ReactJs
- Redux
- TypeScript
- ASP.NET Core
- C#
- Dapper
- TSQL
- Entity Framework

STARNEWS – BACK-END DEVELOPER

NOVEMBER 2018 – FEBRUARY 2019

Key Responsibilities:

- Developed and optimized a scalable ASP.NET Core Web API, enabling real-time data synchronization with internal customer systems, significantly enhancing operational efficiency.
- Implemented seamless integration with AWS ECS Fargate, leveraging Lambda functions to boost system performance and scalability, reducing latency by 20%.
- Engineered a robust data import mechanism for Excel files, incorporating advanced validation and editing capabilities to streamline data management processes.
- Utilized Dapper for efficient database access, ensuring minimal overhead and faster
Designed and optimized complex SQL queries using T-SQL, improving data processing efficiency by 30%.
- Developed a modular backend architecture with Entity Framework, enabling easy scalability and maintenance of the codebase.
- Implemented secure database connections and configurations in MSSQL, ensuring data integrity and compliance with industry standards.
- Designed RESTful API endpoints in ASP.NET Core, ensuring seamless communication between the backend and frontend systems.
- Integrated data caching mechanisms using AWS Lambda to improve response times for frequently accessed endpoints.
- Enhanced system monitoring and logging by configuring AWS CloudWatch, ensuring quick identification and resolution of potential issues.
- Optimized database indexing strategies in MSSQL, leading to a 30% improvement in query execution speeds.
- Integrated third-party libraries and APIs to extend system functionality, boosting overall operational capacity by 15%.

Technologies:

- C#
- ASP.NET Core
- T-SQL
- AWS
- Entity Framework
- Dapper
- MSSQL

EDUCATION

SEPTEMBER 2017 – JUNE 2022

KHMELNYTSKYI NATIONAL UNIVERSITY

Master's degree in Informational Technologies of Computer Engineering.

SKILLS

PROGRAMMING & FRAMEWORKS:

C#, Microsoft .NET Framework, ASP.NET Core Web API, MVC, Windows Presentation Foundation, Identity Server, Akka.Net, gRPC.

WEB DEVELOPMENT & FRONTEND:

ReactJS, Typescript, JavaScript, Redux, RxJs, Third party components.

DEVELOPMENT TOOLS & VERSION CONTROL:

Visual Studio, Rider, Azure DevOps, Git, Bitbucket, SSMS, AWS, Microsoft Azure.

DATABASES & ORM:

MSSQL, MySQL, MongoDB, Azure Cosmos DB, Entity Framework, Dapper, T-SQL.

LANGUAGES

B2 (Upper Intermediate) English level

Native Ukrainian