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Elanchezhiyan P

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Senior .NET Developer with 6+ years of experience delivering enterprise, healthcare, and freelance projects using .NET Core, MAUI, Web API, and Azure. Specialized in API development, microservices, and HL7/FHIR standards, with expertise in building cloud-native architectures. Delivered 10+ projects across healthcare and finance domains, improving data interoperability by 30% and reducing deployment times by 50% through CI/CD pipelines. Proven track record of leading teams of 20+ developers, delivering enterprise and freelance projects, contributing to open-source (NetiMobileDevice), publishing a NuGet package for HEIC image conversion, and implementing AI-powered automation using tools such as Retell AI, N8N, and Vapi.

Technologies and Languages

- **Languages & Frameworks**: C#, .NET 8, .NET Core, MAUI, ASP.NET MVC, Nhibernate, Microservices Architecture, Node Js, Next JS, Nest JS, Java, PHP.
- **Frontend & Visualization:** React.js, JavaScript, Tailwind CSS, Bootstrap, AmChart, CanvasJS, Chart.js, Aspose Document Editors
- **Cloud & DevOps:** Azure (App Services, Blob Storage, Key Vault, CosmosDB, CI/CD, DevOps), AWS (S3), Docker, GitHub Actions, Zego Cloud
- **Databases**: MSSQL, MySQL, PostgreSQL, MongoDB, Cosmos DB, Oracle, AS400, SQLite, Firebird, SQL Server Profiler
- **Healthcare Standards**: HL7, FHIR, CCDA, Kno2 APIs
- **Integrations & CRM**: NetSuite, HubSpot, ConnectWise, EverFi, ServiceNow, ProcessMaker, QuestionPro
- **Testing & Automation**: Selenium (Java & .NET), Automation Frameworks, Unit Testing, HTML2Canvas (Open Source Contributions)
- **AI & Automation Tools:** Retell AI, N8N, Vapi, OpenAI integrations
- **Collaboration & Tools**: Jira, Azure Boards, ClickUp, Git, SonarCloud, SSRS, SSIS, ETL, Agile/Scrum.
- **Mobile & Cross-Platform**: Android/iOS Development Collaboration, Xamarin (migration to MAUI)
- **Leadership & Soft Skills**: Client Interaction & Requirement Gathering, Team Leadership, Agile/Scrum Practices, Continuous Learning & Adaptability

Work Experience

Senior Software Developer
App Innovation Technologies Pvt Ltd, Coimbatore | Apr 2021 – Present

- Led a team of 20 developers, delivering healthcare projects aligned with HL7/FHIR standards using Agile methodology.
- Designed and deployed TeleMEDix, a cloud-native telemedicine platform built on .NET Core, React, and Azure Containers, with robust API development for clinical workflows, reducing consultation wait times by 25%
- Architected and optimized **microservices-based RESTful APIs** with CosmosDB and Azure services, improving system performance by 30%.
- Implemented **CI/CD pipelines with Azure DevOps** following Agile/Scrum practices, reducing deployment time by 50%.
- Coordinated client calls, retrospectives, and requirement sessions, ensuring alignment across global stakeholders.

- Delivered cloud-native applications in healthcare and enterprise domains using .NET Core and Azure.

Technical Associate
Encore Theme Technologies Pvt Ltd, Chennai | Aug 2019 – Apr 2021
- Developed **enterprise and healthcare applications** in .NET and SQL Server using cloud-native design principles.
- Implemented **payment automation and meeting scheduling features**, improving client satisfaction and operational efficiency.
- Participated in **requirement analysis, SDLC documentation, and deployment support**, ensuring timely project delivery within Agile frameworks.

Projects

TeleMEDix | .NET 8, React, Azure, Twilio, CosmosDB
A secure, cloud-native telemedicine platform enabling remote consultations and patient management.
- Implemented HL7/FHIR and CCDA standards for seamless healthcare data exchange
- Integrated Twilio for real-time communication, enabling 1,000+ remote consultations monthly and Kno2 APIs for interoperability
- Deployed with Azure Containers and CI/CD pipelines, cutting deployment time by 50%
- Built microservices for patient management and clinical data exchange
- Automated patient data collection by integrating Retell AI with N8N workflows via AI agent calls

Seahorse Analytics | .NET Core, PostgreSQL, Selenium, AmCharts
Healthcare data analysis application for Agilent Seahorse XF Analyzer products.
- Integrated HL7/FHIR standards for interoperability
- Developed Selenium-based automation testing with Excel-driven input/output and HTML reporting
- Developed RESTful APIs for healthcare analytics workflows, improving report generation speed by 20%

Scantron | .NET 8, AS400, SQL Server, Azure
Data capture and assessment platform for education and enterprise clients.
- Built APIs for ticketing and reporting with Azure App Services
- Designed a star schema data mart for PowerBI reporting
- Automated Jira ticket creation and logging with Azure services
- Applied Agile methodology to integrate AS400 with SQL Server for reporting

Label Connector | MAUI, QuickBooks, Xero, Volusion
Cross-platform app for inventory and financial document labelling.
- Enabled drag-and-drop label design using DevExpress UI
- Integrated QuickBooks Desktop/Online, Xero, and Volusion for seamless data handling
- Migrated Xamarin app to MAUI to share Android and Windows codebases

Qliq1's | .NET Framework, MS SQL, AWS S3, Firebase
A social networking platform consolidating multiple activities in one place.
- Built features for personal/professional networks with customizable privacy settings
- Implemented AWS S3 for media storage and Firebase notifications
- Developed RESTful APIs for seamless user authentication, messaging, and content sharing
- Optimized SQL Server queries and implemented caching to improve application performance and scalability

Remote-Com | .NET Framework, SQLite, Windows Services
Device monitoring solution for pretrial, probation, and parole clients.
- Developed services to track logging, file usage, geolocation, and screenshots
- Created iOS backup sync to servers with duplication checks
- Implemented **Windows services** for continuous background monitoring and automated reporting
- Designed a **synchronization mechanism** to securely upload offline data to servers when connectivity was restored
- Integrated **proxy-based monitoring** for web browsing and search activity tracking
- Optimized SQLite usage for **lightweight local storage** with scheduled sync to centralized servers

Freelance & Open Source Contributions

Freelance Developer – PHP Project
- Designed and built a responsive portfolio website for a financial advisor's company using PHP
- Delivered a custom .NET Core and React-based solution for enterprise workflows.
- Integrated APIs and optimized backend performance for client-specific use cases.

Open-Source Contributions
- **NetiMobileDevice** – Contributed enhancements and bug fixes to the open-source project.
- **NuGet Package Release** – Published a .NET library for converting HEIC image formats into multiple standard formats (JPEG, PNG, etc.), enabling easier image handling across applications.
- Shared learnings and code contributions publicly, improving accessibility and developer adoption.

Blogging (Medium)
- Author of technical blogs with 20K+ total views, covering .NET, AI, automation, cloud, and development best practices
- Popular articles include:
  - *"Passkeys — The Future of Login Without Passwords"*
  - *"I Just Kickstarted My AI Journey — Here's What I've Learned"*
  - *"Audit Trail: Tracking User Activity with React & .NET Core"*
  - *"Hosting Multiple Next.js Apps on a Single Azure Linux VM"*
  - *"The New Visual Studio SLNX Solution File: A Leap Forward in .NET Development"*
- **Medium Profile: medium.com/@elanchezhiyan-p**

Education and Certifications
- **B.E. – Electrical & Electronics Engineering,** Anna University, Chennai.   **2015 – 2019**

Certifications
- Jira Fundamentals – Atlassian University
- cPanel User Interface Proficiency – cPanel University
- .NET Full Stack Developer Certification – C# Corner
- Foundational C# Certification – Microsoft / FreeCodeCamp