Contact

7327405036 (Mobile)
ray810815@gmail.com

www.linkedin.com/in/raymond-lei810815 (LinkedIn)

Top Skills

API Development

Swagger API

Natural Language Processing (NLP)

Languages

English(Listening, Speaking, Reading, and Writing) (Professional Working)

繁體中文(聽、說、讀、寫) (Native or Bilingual)

臺灣閩南語(聽、說、讀、寫) (Elementary)

简体中文(听、说、读、写) (Professional Working)

Certifications

Auto Driver License

Honors-Awards

Honorable Mentioned

Raymond Lei

U.S. Citizenship | Former Backend Software Engineer @ Visualutions, Inc. | .Net | C# | Html | CSS | Javascript | React | Python | Unity | SQL | Azure, Azure CosmosDB | ASP.NET.Core | Blazor Server | API | Web developer
Asbury Park, New Jersey, United States

Summary

I am a skilled software developer with expertise in full-stack applications, 4 years of experience, focusing on ASP.Net Core. I have used React.js(class component) for front end, MVC, Razor/Page, Blazor Server with MudBlazor, Entity-Framework Core, SQL Server, and Azure Blob Storages. Proficient in creating efficient CRUD operations, user authentication systems, and scripting with PowerShell and Python. I've worked with medical claims data, and facial recognition apps, and managed multiple Asp.Net Core Apps on Azure App Service and IIS. My skills extend to data visualization using d3.js written in Typescript, SVG, and reads GeoJson for geography charts, and I have experience in network security monitoring applications and real-time notification systems, interacting with IoT Devices. For my personal profolio, I have made a few games in Unity3D. Additionally, for cloud experience, I am familiar with basic Azure Services.

Experience

Visualutions, Inc.
Backend Software Engineer(Terminated 07/12/2024)
October 2023 - July 2024 (10 months)
Texas, United States

- Wrote utility programs to correct data in Azure CosmosDB containers in the development environment.
- Developed several ASP.NET Core controller endpoints.
- Implemented Azure CosmosDB's PointRead operation to reduce Request Unit (RU) consumption in a shared library.
- Attempted to achieve similar results using PartialUpdate, but it was unsuccessful.
- Fixed several bugs to improve system stability.

- Attempted to implement ASP.NET Core PATCH endpoints compliant with RFC 6902.
- Was only able to resolve a limited number of bugs.
- Queried and manually modified bad data in CosmosDB containers using stored procedures (quick and dirty fixes).
- Gained experience with the Mediator design pattern and Swagger for API documentation.
- Helped replace an outdated cryptographic system with a more secure alternative.
- Involving in resolving caching issues in applications using Azure Redis and trying to improve local caching performance with SortedList.
- Participated in Azure SignalR testing by opening multiple browser tabs on a company laptop.
- Attempted to resolve dependency injection issues for unit testing.
- Tried to build a binary classifier in ML.NET to detect drug dosage representation in dental notes.
- Attempted to write a trivial HTML document merger but failed.
- Executed stored procedures to remove non-regenerable and illogical DOS documents.
- Attempted to track raw CosmosDB queries.

MedFuse
Software Developer 1(Resigned)
July 2021 - August 2023 (2 years 2 months)
Homdel, NJ

-Developed and maintained full-stack applications(N - Tier) using ASP.Net Core Blazor Server with MudBlazor(Material Design UI) and Fluxor(state management for Blazor).
-Performed CRUD operations on SQL Server using Entity Framework Core and managed Health Care Provider(HCP) data in Azure Blob Storage. Wrote and maintained unit tests with XUnit.
- Enabled users to search HCPs efficiently by interfacing with Azure Cognitive Search and Elastic Search in the backend.
- Queried Medical Claims Data from Snowflake DB using CData Entity Framework Core Provider, with dynamically generated filters and runtime-targeted schemas and tables.
- Built user authentication for the MedFuse Platform using Auth0 linked with Azure AD.
- Assisted in developing a facial recognition app using Azure Face API v1 to identify HCPs from photos.

- Dynamically generated HCP portrait images with branded logos using Skiasharp and served them to internal users via API endpoints.
- Managed and deployed multiple ASP.Net Core applications on Azure App Service and IIS.
- Helped with creating custom charts with SVG, d3.js(KOL?), few typed by TypeScript(David), and in .Net with Blazor ApexChart, MudBlazor, GG.Net, and GeoJson(Azure Map?) for data visualization (e.g. line charts, pie charts, and maps).
- Collaborated with the Software Architect to design, prototype, and implement features for the MedFuse One Platform.
- Worked closely with the Project Manager and Development Manager, reviewing feature requests and providing feedback on feasibility.
- Mentored junior developers, providing training and assistance.
- Participated in implementing DevOps CI/CD workflows and led code review sessions.
- Worked with the Data Engineering team to address data-related issues during MedFuse One Platform testing.
- Provided technical support for the platform and various legacy products.

Sensato Cybersecurity Solutions
Software Engineer(Resigned)
August 2019 - June 2020 (11 months)
Eatontown, NJ

- [Re]developed and maintained a full-stack application to monitor network security threats that targeted hospitals, using ASP.Net Core MVC/Razor Pages, Entity-Framework Core/SQL Server, React Front-End(Class Component), and hosted on the Azure Cloud.
- [Re]built a user claim-based, real-time notification system to alert users of cyber threats, using React SignalR Front end libary, Azure Function Triggers(not v4), and Azure SignalR.
- Deployed OpenVAS, a vulnerability scanner, to the hospital network's intrusion-detection software
appliances, running on Ubuntu Linux.
- [Re]bridged software appliances' communication with Azure Cloud and Cosmos DB, allowing security
analysts to remotely interface with OpenVAS within the appliances through the web.
- [Re]communicated remotely with the software appliances, using Azure IoT Hub Client Python SDK and
Azure .Net SDK (Cloud-To-Device-Method).

- Automated deployment of production code to the software appliances using deployed Azure Agents
on Azure DevOps Service, Linux shell scripts, GitHub Artifact.
- Accidentally used OpenVAS to scan a bunch of IP addresses.
- Was not abusing the company's monitors and equipment.
- Rewrote poor code.

Reason For Leaving:
- Peronsal.

3dRose LLC
Entry Level Computer Operator Administrator(Resigned)
February 2019 - July 2019 (6 months)
Jackson, New Jersey

- Built a small Asp.Net Core Web App that consumes InfusionSoft's Rest API and was not finished.
- Maintained Large Format Inkjet printers(swapped out inks, printing papers, unjam, and rebooted) and
processed the daily printing jobs for Dropshipping to Amazon.com.
- Published 100,000 unique items to the company's inventory on Walmart Seller Central.
- Ran Marco wrote in VBA on Microsoft Access daily.

Ocean Township Board of Education
Substitute Teacher
October 2015 - February 2019 (3 years 5 months)
Oakhurst, NJ

- Managed students' activities, while preventing disruptions in the classroom.
- Worked to have each student stay on task with their teacher's agenda.
- I hope I helped the teachers displace a few kids.
- I noticed a kid got Coca-Cola from the bathroom.
- Worked with different projectors(e.x. Elmo).

Grand China Buffet
BusBoy
June 2014 - July 2014 (2 months)
Eatontown,NJ

- Taking dirty dishes to the dishwasher, assisting the waiting staff, and cleaning the floor
- Wipe the mirrors and windows.

- Clean the toilet once in a while
- Organize the utensils

Grand China Buffet
BusBoy
June 2013 - August 2013 (3 months)
Eatontown,NJ

- Taking dirty dishes to the dishwasher, assisting the waiting staff, and cleaning the floor
- Wipe the mirrors and windows.
- Clean the toilet once in a while
- Organize the utensils

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Education

Monmouth University Long Branch
Master's degree , Computer Science · (September 2018 - May 2020)

Rutgers University-New Brunswick
Bachelor of Science (B.S.), Physics and Mathematics · (September 2011 - May 2015)

Ocean Township High School
High School Diploma · (September 2007 - June 2011)