Daryl Castro

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ABOUT ME

I love building new things, starting from a blank whiteboard or early stage prototype and transforming it into something people truly value. I am full-stack developer with 5+ years of hands-on experience creating microservices, APIs, Desktop Application and Web Applications. I am familiar the Microsoft technology stack, including C#, .NET Core, and ASP.NET. Jakub is familiar with microservice architecture and cloud-based solutions (Microsoft Azure). While working in the industrial field, I learned to deliver critical software systems (highly available, secure, and fast). I am also a consultant willing to work closely with his clients. I also have a great passion for new technology, web development, art (particularly illustration), music (playing guitar and piano), and the outdoors. When I'm not on the job, I love hiking with my dog Ziyi, working my way through every recipe in the family cookbook, and including my love for seeing new places.

EDUCATION

Bachelor's Degree of Computer Science
University of Wollongong Malaysia(Malaysia)
10/20014 ~ 10/2017

EXPERIENCE

.NET Framework Developer
Fively - Remote - Poland
10/2022 ~ 12/2023

- Developed, tested, and deployed a vision system client application for quality control.
- Built a distributed quality control and measurement system.
- Integrated user-facing software with industrial machines and PLCs using an industrial network.
- Designed and implemented an API that returns real estate data.
- Implemented a custom token-based authorization mechanism to protect various API endpoints and filter data returned based on the user's subscription level and role.
- Used Azure API management for API logging and monitoring.
- Collaborated on software architecture design and implementation of a Blazor WebAssembly web application API UI and Azure Functions App background jobs—the tool for planning the mining exploration major work.
- Integrated with SharePoint file storage and Outlook emailing via Microsoft Graph API on corporate Azure AD.
- Developed features for a .NET Core API and Blazor Server UI web applications back end for leveling human and asset resources for the mining industry.
- Collaborated on software architecture design and implementation of a Blazor WebAssembly web application API UI and Azure Functions App background jobs—the tool for aligning the schedules on the work timeline, detecting clashes, and risk levels.
- Integrated with cloud services used by the applications as well as with third-party APIs, files, and data storage.
- Built the web back-end (ASP.NET Web Forms, ZNode framework) and front-end (HTML, CSS, and JavaScript).
- Deployed and configured server environments (Windows Server, IIS).
- Built a custom email marketing system for a client to offer to its customers. The system was similar to Mailchimp in functionality but tailored for dentists.
- Built the website as an MVP solution, which means it was developed as quickly as possible.

Full-stack Developer
Agmo Studio Sdn Bhd - Remote - Malaysia
7/2019 ~ 6/2022

- Implemented a site-wide redesign and front-end overhaul targeting both desktop and mobile devices.
- Incorporated responsive image best practices to maximize performance and page speed ranking for SEO
- Implemented downloadable custom PDF report using HTML-to-PDF rendering techniques to ensure proper formatting and layout of the final document.
- Developed an Ethereum ERC20 token contract as well as smart contracts for democratic voting by token holders.
- Built the back-end server for monitoring Ethereum contracts and creating transactions.
- Designed and built the Back-end API using Nest.js from scratch in just three weeks to be ready for FDA studies.
- Worked an AXA's internal dashboard UI using a variety of custom components.
- Built a Node.js-based library, which acted as middleware for Express.js and Koa, that automatically captured user errors and sent them to a platform that aggregated and visualized them.
- Provided support and closely worked with UI artists, UX designers, and level designers on multiple features.
- Created several React components with D3 charts that support interactive visualizations of market data projections and analysis.
- Developed unit tests and component snapshot tests using Jest and Enzyme.
- Supported dynamic forms for providing market data analysis for food and beverage companies making projections about product/factory capacity, cost and several other factors.
- Created dynamically populated data filters as drop-downs, checkbox groups, input fields, sliders, etc. In order to evaluate and pivot market data analysis charts.

Software Engineer
VeecoTech - Hybrid - Malaysia
01/2018 ~ 06/2019

  - Constructed database tables, diagrams, and stored procedures.
- Created complex SQL stored procedures to implement advanced scheduling algorithms.
- Created web API controllers and action methods.
- Built a distributed quality control and measurement system.
- Used Azure API management for API logging and monitoring.
- Collaborated on software architecture design (DDD design, MVC Pattern, SOA, Repository Pattern) and implementation of a Blazor WebAssembly web application API UI and Azure Functions App background jobs—the tool for aligning the schedules on the work timeline, detecting clashes, and risk levels.
- Integrated with cloud services used by the applications as well as with third-party APIs, files, and data storage.
- Built the web back-end (ASP.NET Web API, ASP.NET MVC) and front-end (HTML, CSS, and JavaScript).
- Created a view to render SVG vector images based on data and the ability to download it as PNG with transparent background (for printing) or with a custom color background using Angular.
- Created a custom reusable code library for authentication, caching, auditing, and messaging.
- Wrote complex SQL Server Agent jobs for data conversions, importing, and syncing.

SKILLS

- C#, VB.NET, JavaScript, TpeScript, CSS, HTML, Node.js.
- ASP.NET Core, WinForms, WPF, Entity Framework, Windows Communication Foundation(WCF), Windows Workflow Foundation, Windows Identify Foundation(WIF), Xamarin, ADO.NET, React, Angular.
- Base Class Library(BCL), Language Integrated Query(LINQ), CLR.
- Visual Studio, Git, Azure Search, Dapper, .NET Command-Line Interface (CLI), NuGet Package Manager, LINQ Pad, SQL Server Management Studio(SSMS).
- Redis, Azure SQL, Azure Blobs, Microsoft SQL Server, Database Architecture, Azure Queue, MongoDB, MYSQL.