

Dustin Vu

dustinvu.vercel.app

Houston, TX | (713) 907 - 1297 | dquv0320@gmail.com | github.com/dustinvu0320

PROFESSIONAL EXPERIENCE

Paycom

Irving, TX

Software Developer

July 2023 - October 2024

- Implemented full-stack payroll reports for domestic and international clients by utilizing **MVC** architecture with **PHP** and **JavaScript**, coding tax rules to ensure 99% accuracy in calculations and compliance with local regulations.
- Optimized report generation time by refactoring legacy code and applying functional programming, cutting processing time from 2 hours to 20 minutes for large datasets (90% improvement).
- Boosted database performance by rewriting **MySQL** queries and adding indexes, increasing query speed by 35% and improving application security with **Docker** and **Splunk** monitoring.
- Collaborated with cross-functional teams via **Jira** and **Gitlab** to translate business requirements into efficient solutions, ensuring 95% on-time delivery through effective tracking and coordination.
- Utilized **ArcGIS API** service to validate and enhance the geographic mapping accuracy of employee addresses, enabling precise tax code generation aligned with regional tax regulations and supporting payroll reporting for 20,000+ clients.

Publicis Sapient

Houston, TX

Junior Software Engineer

June 2022 - July 2023

- Collaborated with 30+ cross-functional team members using **Azure DevOps** and Agile methodologies to deliver projects on time, achieving a 95% sprint completion rate and improving team efficiency.
- Designed scalable software architectures and developed backend solutions with **ASP.NET** and **Entity Framework** while building dynamic user interfaces with **React**, increasing client satisfaction by 20%.
- Enhanced reporting efficiency by 30% through in-depth research and analysis of data methods, achieved by successful migrating from SQL Server Reporting Services (**SSRS**) to **Power BI** on the **Azure** cloud platform.
- Optimized codebases for scalability and maintainability, reducing system errors by 50% and improving performance using **C#**, **TypeScript**, and debugging techniques.
- Engineered **SQL Server** databases and leveraged **React** hooks, boosting development efficiency by 25% and streamlining workflows for seamless user experiences.

PROJECTS

Reactivities | Personal Project

April 2023

- Developed a cutting-edge social networking platform allowing users to sign up for events, applying **ASP.NET** Core frameworks, **React** with **TypeScript**, and **PostgreSQL** database management.
- Utilized **Clean Architecture**, **CQRS + Mediator** pattern, **MobX** state management, and **SignalR** for real-time communication.
- Automatically deployed the production version with **GitHub Actions**, **Docker Hub**, and **Fly.io** integration.

E-Commerce | Personal Project

November 2022

- Architected an e-commerce web app for a restaurant using **ASP.NET** frameworks, **Typescript**, and **Stripe API**, enabling seamless payment processing and customer interaction.
- Integrated **JWT**, **React Redux**, and **Redux-Toolkit** Query/Mutations for robust state management and secure authentication.
- Deployed scalable API and React app on **Azure**, while storing static images on **Blob Storage** and database on **SQL Server**.

EDUCATION

University of Houston

August 2020 - May 2022

Bachelor's Degree, Computer Science

GPA: 3.88/4.00

- **Award:** Dean's List & Transfer Excellence Scholarship (2020, 2021, 2022)
- **Coursework:** Data Structures and Algorithms, Software Design, Software Engineering, Operating Systems, Database Systems

SKILLS

Programming Languages: PHP, C#, Python, Java, JavaScript, TypeScript, MySQL, SQL Server

Frameworks & Tools: ASP.NET, ReactJS, Git, Azure, Jira, Splunk, Docker, Power BI

Certifications: Azure Fundamentals (AZ-900), Azure Data Fundamentals (DP-900), Azure AI Fundamentals (AI-900)