

PAUL JENKINS

Address: Columbia, MD 21045

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github.com/pjenks/PaulJenkins

SOFTWARE DEVELOPER

Experienced software developer with expertise in full-stack development, cloud architecture, and containerized applications. Proven ability to design, build, and deploy scalable, secure, and high-performance solutions. Strong technical background in .NET, Node.js, Kubernetes, and Azure, with hands-on experience in delivering innovative web and software projects.

TECHNICAL SKILLS

- **Programming Languages:** C#, .NET Core, JavaScript, Node.js, React, HTML, CSS, Python, VB.NET
- **Frameworks & Technologies:** MVC, REST APIs, WebSockets, Docker, Kubernetes, Azure DevOps
- **Databases:** Microsoft SQL Server, MySQL, MongoDB
- **Cloud Platforms:** Microsoft Azure (AKS, DevOps, Functions)
- **Tools:** Visual Studio, Azure DevOps, IIS, Git, Postman

PROJECT EXPERIENCE

Cryptocurrency Financial Index

- Developed a high-performance financial index platform using .NET Core, interfacing with 12+ cryptocurrency exchanges.
- Deployed the solution to Azure Kubernetes Service, optimizing real-time price calculations at sub-second intervals.
- Exposed RESTful and WebSocket APIs for real-time data delivery and built a JavaScript-based web UI with dynamic price graphing.

CMS Product Entry Web Application

- Designed a responsive front-end UI in HTML and JavaScript for seamless product entry into a third-party CMS.
- Implemented a Node.js backend to handle RESTful API integrations, ensuring robust data validation and secure transactions.

Photo Archiving Cost Estimation Tool

- Built a private web-based application for project cost estimation, using JavaScript for UI development and Node.js for backend processing.
- Enhanced user experience by integrating intuitive forms and real-time data calculations.

PROFESSIONAL EXPERIENCE

Brave New Markets

Address: Owings Mills, MD 21117

Position Title: Chief Technology Officer

Date: September 2023 – Present

- Led platform upgrades with direct contributions to .NET and JavaScript development for client solutions.
- Integrated Azure DevOps for CI/CD pipelines, enhancing development efficiency.
- Supported production environments running IIS, troubleshooting, and optimizing web services.

Radial-X

Address: Springfield, NJ 07081

Position Title: Chief Technology Officer

Date: June 2013 – Present

- Developed and deployed high-performance derivatives trading platform complete with order routing, matching engine, risk management, market data feeder and trader UI with the ability to process thousands of transactions per second.
- Developed proprietary crypto benchmark price index platform including upgrading the initial application to a micro service environment running in containers on Azure Kubernetes service.
- Migrated technology environment from a private data center to Microsoft Azure, realizing significant cost savings.

Sylvan Learning

Address: Towson, MD 21204

Position Title: Vice President Software Development

Date: December 2010 – June 2013

- Contributed to the launch of a tablet-based learning platform, leveraging adaptive assessments in .NET.
- Developed a web portal for unified user experiences, implementing MVC architecture and cloud-hosted backends.

EDUCATION

University of Maryland Baltimore County

Master of Science, Information Systems

The Catholic University of America

Bachelor of Arts, Political Science/International Relations

University of Maryland Global Campus

Coursework Completed in Computer and Information Science

ADDITIONAL INFORMATION

- Certifications: Microsoft Certified Professional (MCP), Microsoft Certified Systems Administrator (MCSA)
- GitHub: github.com/pjenks/PaulJenkins – Portfolio of projects showcasing hands-on development skills.
- Volunteer Experience: Coach, Howard County Youth Program (May 2015 – July 2022)