Rene Sanger (He/Him)

New York, NY | 917-663-0042 | renejsanger@gmail.com | linkedin.com/in/renesanger | renesanger.github.io

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: C#, JavaScript, Python, SQL, Typescript, Swift, Java, C++
Frameworks/Libraries: .NET, ASP.NET Core, Entity Framework, React.js, Angular, Flask, Bootstrap, AJAX, JQuery
Tools & Technologies: Azure Repos, Git, CI/CD (Jenkins, TeamCity), Docker, RESTful APIs, Agile Methodologies

PROFESSIONAL EXPERIENCE

Freelance **August 2022 - Present**
Software Engineer *New York, NY*
-Design and developed client-facing web and mobile applications using C#/.NET, streamlining business operations for clients.
-Build and integrate RESTful APIs for real-time data processing and internal tool automation and implement CI/CD pipelines.
-Practice Agile methodologies to manage multiple projects simultaneously, collaborating directly with stakeholders to deliver solutions.

Capgemini **August 2021 - August 2022**
Software Engineer *New York, NY*
-Contributed to the development of high-availability applications using ASP.NET Core and C# for enterprise clients in regulated industries.
-Participated in the full software lifecycle: requirements gathering, architecture design, implementation, and production support.
-Applied design patterns such as MVVM and Dependency Injection to create modular, testable codebases.
-Created robust unit and integration tests, ensuring smooth deployments and high system uptime and worked closely with business analysts and product owners to translate requirements into functional solutions.

NYCDOT **January 2019 - January 2021**
Full Stack Engineer *New York, NY*
-Led the development of a full-stack application managing over 40,000 city assets, utilizing C#, .NET Core, and JavaScript for a unified and efficient monitoring system.
-Integrated real-time data processing through JavaScript and external API connections, improving the accuracy asset management.
-Delivered innovative solutions to complex problems, reducing development time by 20% and saving the company thousands in budget allocation.

PROJECTS

Trading Tools Simulation (C#, .NET)
-Built a simulated trading tool using C#/.NET mimicking price distribution and order management logic
-Implemented multithreading for real-time data handling and reactive UI updates and integrated API calls with dummy electronic trading platforms (mocked Bloomberg-like endpoints).

Virtual Bank Simulator (C#, JavaScript)
-Developed a comprehensive virtual banking application using C# APIs and .NET Core for backend processing, with a React.js frontend.
-Optimized performance and security, incorporating advanced algorithms and data protection measures to handle large-scale data.

Heart Disease Classifier Machine Learning Algorithm (Python)
-Built a classification model using Random Forest to accurately predict heart disease, using data analysis and predictive modeling.
-Developed robust and scalable backend services in Python that leverage machine learning for enhanced decision-making processes.

EDUCATION

CUNY Hunter College **New York, NY**
Bachelor of Computer Science, Minor in Mathematics (Cum Laude Honors)
Core Coursework: Artificial Intelligence, Big Data, Database Management, Computer Architecture, Data Structures and Algorithms