Arun Kulkarni

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Professional Experience

Meso Scale Diagnostics, Rockville, MD

Software Engineer I   *March 2022-Present*
- Contribute to full-stack and development of over 15 modern internal web-based applications built on a React/TypeScript/GraphQL/ASP.NET Core stack, made to automate data collection in manufacturing processes and save hundreds of work-hours per week
- Participate in project timeline and requirements planning for each application, and provide continual technical support

Basys, Inc., Baltimore, MD

Software Engineer I   *February 2022-March 2022*
Associate Software Engineer   *June 2021-February 2022*
- Designed, developed, and deployed 4 full-stack .NET applications for both customer and internal use
- Independently researched, designed, and built a custom C# .NET application to automate a manual business process leveraging Azure, SOAP web services, Microsoft Graph API, multithreading, and LINQ, and saving potentially thousands of work-hours over the course of the calendar year

Software Engineer Intern   *January 2021-June 2021*
- Worked in an Agile team of .NET developers using Scrum methodology for a fast-paced healthcare technology company

Baltimore Data Science Corps (National Science Foundation), Towson, MD

Undergraduate Research Fellow   *August 2020-July 2021*
- Collected data to create numerical and geospatial models specific to the spread of COVID-19 in Baltimore City
- Received training on various topics including smart cities, data exploration, machine learning, geospatial analysis, and ethical implications of data science

Ashley Addiction Treatment, Havre De Grace, MD

Clinical Aide   *September 2018-January 2021*
- Communicated effectively with 5 departments regarding the current status and any changes to the therapeutic environment
- Provided logistical support to the entire facility and facilitating daily patient programming and events for a total patient population of over 100 at any given time

Education

Towson University   *Graduation Date: May 2021*
B.S., Computer Science
- Summa Cum Laude, Dean's List
- Concentration in Mathematics

Skills

- C#/ASP.NET Core, ReactJS, Javascript, TypeScript, HTML, CSS, GraphQL, SQL/NoSQL Databases, RESTful API development and consumption
- Azure DevOps (Git, Agile Boards, CI/CD Pipelines), Azure App Services, Azure Key Vault, Azure Functions

Awards and Achievements

Eagle Scout, Boy Scouts of America   *November 2013*