

Sullivan Young

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Education

M.S. Information Systems

Virginia Commonwealth University - Richmond, VA

May 2023

GPA: 3.9

B.S. Business Administration

Dual Concentration in Business Analytics and Information Systems
University of North Carolina Wilmington - Wilmington, NC

May 2020

GPA: 3.7

Work Experience

CoStar Group

Richmond, VA

Software Engineer

November 2021 - Present

- Account Management Platform
 - Developed a full stack external payment portal that serviced more than 10K users internationally and processed \$2.5M in 2023
 - Built a payment page within a single sprint to process ecommerce subscriptions for a product, resulting in \$12M+ revenue
 - Created micro-frontend applications with React, TypeScript, Tailwind CSS, Webpack, and Node.js to build out functional UIs based on requirements from our UX team consisting of Product Managers, Designers, and Business Analysts
 - Worked with Stripe APIs, Webhooks, and Dashboards to accept card and ACH payments for PCI / Nacha compliance
 - Utilized TypeScript, Cypress, ESLint, and Jest for quality assurance and to prevent regressions
 - Maintained in-house React component and platform libraries to aid in development
- Financial Performance Dashboard
 - In just two sprints, built a real-time full stack financial performance dashboard monitoring the successful launch of a product resulting in a \$2.75B annual run-rate
 - Created an entire relational database in MSSQL consisting of stored procedures, queries, triggers, tables, storage optimization, and SQL jobs for tracking sales, sales agents, customers, and products
 - Built a worker service and REST APIs in .NET to populate the database on a 5-minute interval
 - Designed a dynamic frontend to retrieve data from our server to update Highcharts graphs and KPI metrics
- Native Point-Of-Sale App
 - Delivered a native application for 800 sales agents to sell products, which generated over 1,000 subscriptions and \$500K in revenue within one month
 - Utilized the Stripe React Native SDK to accept card payments to ensure PCI compliance
- General Practices
 - Initiated and led an engineering culture book club and instilled group learning events into our organization's practices
 - Collaborated with team groomings, retrospectives, sprint plannings, and more through the Software Development lifecycle
 - Mentored incoming associates and interns to foster growth and learning within our team

Tahzoo

Richmond, VA

Associate Developer

October 2020 - October 2021

- Developed a web app using .NET MVC Framework, integrating content from the client's CMS
- Assisted in developing a microservice and cronjob for real-time data integration from the client's database
- Designed and implemented a breadcrumb feature from SDL Tridion in the client's web app to enhance user navigation
- Collaborated with the development team to engineer XSD configurations for SDL Draftspace
- Innovated, designed, and developed various applications using React.js, JavaScript, Node.js, C#, and .NET Framework

Projects

CoStar Benefits Bot | LangChain, BerriAI, React, CSS

March 2023 - May 2023

- Created an AI chatbot to address employee inquiries based on the CoStar Group Benefits microsite
- Utilized LangChain with Python and BerriAI for the large language model (LLM) and backend functionality
- Implemented the frontend using React, JavaScript, and Vanilla CSS to present responses to the user
- Presented a demo of the tool to the HR team for potential adoption, resulting in a feature in the internal company newsletter

Technical Skills

Languages: JavaScript, TypeScript, C#, Python

Frameworks: React, React Native, Express, .NET

Testing: Jest, Cypress

Datastores: MSSQL, Postgres, Elasticsearch, MongoDB

Observability: Datadog, Jaeger, Sentry, PagerDuty

General: Azure, Stripe (Payment Processing), SQL, HTML, Tailwind CSS, Node, Git, Webpack, Postman, i18n, ESLint