Nate Harrell

FULL STACK DEVELOPER

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Work Experience

Commerce Bank
Kansas City, MO

IT ASSOCIATE DEVELOPER - DIGITAL BANKING
Sep. 2022 - Present

- Created an internal Google Authenticator clone web app using Vue.js, ASP.NET and OTP.NET.
- Implemented asynchronous Javascript to ensure random, unique One-Time Passcodes were generated on a timer.
- Created an internal web app to update the "What's New" web text using Vue.js, ASP.NET and SQL Server.
- Worked in an AGILE environment and utilized Git for source control.

Commerce Bank
Kansas City, MO

IT ASSOCIATE DEVELOPER
Jan. 2022 - Sep. 2022

- Built custom, responsive web components using HTML and CSS in Vue.js for an office space reservation web app.
- Connected web components to C# RESTful APIs with asynchronous AJAX calls using Axios in Vue.js.
- Worked on a team to design a relational database schema for an office space reservation app using SQL Server.
- Used C# Entity Framework Core and LINQ to perform CRUD operations on a SQL Server database.
- Worked closely with a product line to make revisions and enhancements as necessary.

Commerce Bank
Kansas City, MO

IT INTERN
Jun. 2021 - Dec. 2021

- Built multiple RESTful APIs performing CRUD operations to a SQL Server database in ASP.NET Core.
- Implemented numerous asynchronous AJAX calls to RESTful APIs using Axios in Vue.js.
- Built/styled custom components using HTML and CSS in Vue.js.
- Used GIT as version control to manage source code changes in a team environment.
- Collaborated with a team of interns practicing the AGILE methodology and using Azure DevOps/TFS.

Education

Kansas State University - B.S. in Computer Science
Manhattan, KS

SENIOR CAPSTONE PROJECT
Jan. 2018 - Dec 2021

- Built a full stack web app to determine population density of nearby establishments using Vue.js and Google Places API.
- Built a web API in Python Flask to receive JSON object data via AJAX call and returned population density in response.
- Deployed web app on an Ubuntu server using Nginx.

Personal Projects

https://nateharrell.com

WEB DESIGNER
Mar. 2022 - Current

- Designed, built and hosted a portfolio site housing 2 concept projects + 1 live site using Vue.js and Vuetify.
- Used Vuetify + Bootstrap to ensure responsiveness on all screen sizes.
- Implemented CSS animations for an enhanced user experience.
- Implemented proxy redirecting in Nginx + SSL Certificate.

Hackathon - Employee Referral Form

TEAM MEMBER/DEVELOPER
Oct 2022 - Oct 2022

- Built and designed an employee referral form for Commerce Bank's Hackathon using Vue.js, Vuetify and ASP.NET Core.
- Ensured web app was mobile friendly by utilizing Vuetify's grid system.
- Implemented form validation using Vuelidate and displayed future fields only if previous were valid.
- Implemented a random greeting message on page load using CSS animations to add to the user experience.
- Built a backend API to send confirmation emails using System.Net.Mail.

Languages/Skills

- **Languages:** C#, Java, Python, JavaScript.
- **Web Frameworks:** Vue.js, ASP.NET, Flask.
- **Web Libraries:** Axios, Bootstrap, Vuetify.
- **Databases:** Microsoft SQL, MySQL, LINQ.
- **Developer Tools:** Git/GitHub, Postman, Linux, Visual Studio/VSCode, Nginx, Kestrel, SSMS, Docker.