John Paul Smithdeal

Software Engineer 3

Reliable and driven with nearly a decade of impactful engineering experience

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Skills

Backend / C#, Java, Typescript, MSSQL, RESTful APIs

Frontend / Javascript, jQuery, HTML, CSS, Bootstrap, Angular

Other / TFS, Visual Studio, VS Code, IIS, SSMS, Azure, Postman, CI/CD

Experience

Navy Federal Credit Union / Software Engineer III

September 2021 - Present, Remote

API Design

Lead developer responsible for the design and development of many new **RESTful API endpoints** as part of NFCU's mortgage information APIs. These endpoints handle a wide variety of request types, and allow thousands of users to retrieve and update various production account data on a daily basis. Developed in **.NET framework** using **C#.**

Mortgage Rate Pricing Integration

Collaborated with a team to develop NFCU's integrated mortgage rate pricing solution. This was a very high-visibility project, with our solution being responsible for accurately pricing rates on every mortgage provided by NFCU. This was done primarily in **C#** with **HTML**, **CSS**, and **Javascript**.

Mortgage Notes Data Processing

Co-designed and developed an **Azure function app** used to receive, process, and store legal documentation related to NFCU mortgages. This was developed in response to legacy DBs being phased out - the applications that store documentation needed a way to store to our updated Azure DB without having to be overhauled individually. This function was created as a middle-man to intercept requests from integrated applications, parse the data, and send to Azure DB. This was developed in **C#.**

Other Experience

The above items consist of projects and experience that provide a good snapshot of the type of work I do on a daily basis. However, I have been involved in many other initiatives at NFCU as well, ranging from **refactoring old code** to **production troubleshooting** to **redesigning outdated UIs**.

DuPont Community Credit Union / Software Developer I-II

May 2017 - September 2021, Hybrid

DocuSign eSignature Integration

Lead developer for DCCU's enterprise eSignature web application. This software is integrated with both DocuSign and Jack Henry APIs, and allows

users to generate and sign pre-filled legal documents electronically. This was a **full stack project** in which I designed and developed the entire solution end-to-end using **C#, Javascript, HTML, CSS, and SQL**.

ACH Stops Application

Lead developer on the DCCU web application that allows member representatives to place, remove, and edit ACH stop payment orders on member accounts. This application was done in **Typescript** utilizing **Angular framework,** while also involving **C#** for backend data controllers**.**

Form Builder Application

Lead developer for DCCU's helpdesk ticket form suite (consists of both an administrative form-building side as well as a form-rendering side). The application was built to streamline the need for custom ticket forms, and it allows users to build consistent, tailored forms using a drag and drop format. This was done almost completely in **Javascript** and **HTML**.

Online and Mobile Banking Design

Utilized **CSS, HTML, and Javascript** to refresh the look and feel for DCCU's online and mobile banking UIs. This was completed within Fiserv's Architect product.

Education

James Madison University / B.S. Computer Science
August 2015 - May 2017

Blue Ridge Community College / A.S. Computer Science
August 2013 - May 2015

Awards

NFCU Sustained Superior Performance Award 2023

Notes

I would describe my professional experience thus far as that of a full-stack developer. I have the most experience (about 8.5 years) with backend, object-oriented development, but I also very much enjoy front-end programming and have roughly 5 years of experience in that area.

I've been involved with a predominantly Microsoft/.NET tech stack, but I'm a fast learner and am more than willing to explore other areas. Some technologies I'm **particularly interested in learning** include (but are not limited to):

- Golang
- Python
- Ruby/RoR
- React
- Docker
- Kubernetes