John "Nick" McDonough

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https://johncaseymcd.github.io/Portfolio

PROFESSIONAL EXPERIENCE

Software Engineer @ SecondSight Data Discovery | Nov 2021 – Dec 2022

- Assisted with optimizing and scaling database calls and HTML injection process, reducing runtime from 20 hours down to 6 hours at a production scale of over 5 million records/day
- Worked within the Amazon Web Services suite - primarily using Lambdas within Step Functions for process flow, SQS and Elasticache to pass data between processes, and S3 and CloudFront to store and serve the HTML pages
- Developed a Node.js workflow for normalizing object properties, storing each object in a PostgreSQL database, and retrieving the data to be injected into HTML templates

Software Development Training Assistant @ Eleven Fifty Academy | Jun 2021 – Jan 2022

- Assisted instructors in maintaining a +95% pass rate for students in the program
- Worked with a class of 50 students to facilitate understanding of core OOP coding concepts, API development, and full stack flow within the C# .NET Framework
- Helped students learn how to debug and research their errors/issues efficiently

Mortgage Escrow Team Lead @ Allied Solutions | May 2019 – Jul 2021

- Handled escalations and negotiated between lender clients, insurance companies, and internal teams for timely resolution of payment issues for portfolio of 10 high-volume mortgage lenders
- Reduced keying errors over 80% by streamlining and automating escrow processes, and worked with application developers to remove duplicated/inactive/incorrect mappings
- Maintained current lender address books and in-house escrow remittance database, while also overseeing onboarding process for new lender clients

Insurance Processor II @ Allied Solutions | Aug 2018 – May 2019

- Scored 100% accuracy and +200% documents-per-hour metric on all QA audits
- Assisted with designing best practice guides and quality assurance procedures for entire IP department
- Maintained compliance with lender particulars and state/federal insurance regulations by accurately transferring information from insurance documents to corresponding loan files

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VOLUNTEER EXPERIENCE

Full-Stack Engineer @ KPop Indiana | Jan 2022 - Present

- Building and maintaining a web app to centralize and streamline membership information, event planning, and expense tracking using Node.js, React, Docker, Kubernetes, Nginx, PostgreSQL and more
- Improving upon existing knowledge of API services and web technologies to single-handedly build, test, and deploy a full-scale app for a production environment

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CERTIFICATIONS

Microsoft MTA Software Development Fundamentals | Jul 2021

EDUCATION

Indiana University-Purdue University Indianapolis | Aug 2013 - Apr 2018

- Pursued Bachelor of Arts in Economics with 24 credit hours of coursework under the schools of computer science and informatics