John Casey "Nick" McDonough

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EDUCATION

Eleven Fifty Academy – Software Development Immersive Learning Program | 2020-2021
- 24-week immersive learning program for Software Development taught with industry-guided curriculum, real-world project-based learning, and 500+ hours of logged coding time and training

Indiana University-Purdue University Indianapolis | 2013-2018
- 24 credit hours of coursework under the schools of computer science and informatics

PROFESSIONAL EXPERIENCE

Software Engineer @ SecondSight Data Discovery | November 2021 – December 2022
- Using Node.js, developed a process for normalizing city/state/company name data for job postings, storing each job in a PostgreSQL-enabled database, and finally retrieving the data to be injected into HTML templates for web display
- 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
- Assisted with optimizing and scaling database calls and HTML injection, reducing processing time from 20 hours down to 6 hours at a production scale of ~5 million jobs/day

Software Development Training Assistant @ Eleven Fifty Academy | June 2021 – January 2022
- Worked with students to facilitate understanding of core OOP coding concepts, API development, and full stack flow
- Helped students learn how to debug and research their errors/issues efficiently
- Assisted in maintaining a >95% pass rate for students in the program

Mortgage Escrow Administrator @ Allied Solutions | May 2019 – July 2021
- As the primary point of contact for several high-profile mortgage lenders, ensured timeliness and accuracy of daily escrow reports
- Subject matter expert for escrow remittance address database, in charge of maintaining current lender address books and onboarding process for new lender clients
- Reduced keying errors by ~80% by streamlining procedures and working with application developers to remove duplicated/inactive/incorrect mappings

Insurance Processor II @ Allied Solutions | August 2018 – May 2019
- Maintained compliance with lender particulars as well as state/federal insurance regulations by accurately keying information from insurance documents to corresponding loan files
- Assisted with designing best practice guides and quality assurance procedures based
- Consistently maintained 100% accuracy and >200% documents-per-hours metric on all QA audits

VOLUNTEER EXPERIENCE

Web Designer & Full-Stack Engineer @ KPop Indiana | August 2022 - Present
- Building a web app for the KPop Indiana admin team to centralize and streamline membership information, event planning, and expense tracking
- Gaining experience with new technologies such as React, Docker, Kubernetes, and Nginx
- Improving upon existing knowledge of API services and web technologies to single-handedly build and deploy a full-scale app for a production environment