

Isaac Mbuotidem

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Skills

Languages - C#, Python, JavaScript, HTML5, CSS

Worked with - SQL, .NET, Node.js, React, Blazor, Azure, Amazon Web Services, AWS CDK, Postman, WSL, Docker

Experience

Dow Jones (MarketWatch) – Software Engineer

June 2021 – Present | MN

- Currently developing systems leveraging automation and machine learning to produce natural language content
- Maintain serverless microservices for above systems built on AWS Step Functions, AWS Lambda and DynamoDB
- Build infrastructure as code (IaC) for above systems using HashiCorp Terraform, AWS SAM, Jenkins and TeamCity

Global Traffic Technologies – Software Engineer Intern

June 2020 – November 2020 | MN

- Helped design the underlying data model for a nationwide traffic priority control system using AWS Neptune
- Wrote Lambda's that leveraged the MQTT message protocol and AWS IoT Core to control traffic IoT devices
- Built components of the user interface for the traffic priority control system using HTML5, CSS3, and Node JS
- Wrote unit, API, integration, and end-to-end tests to ensure soundness of the system and help catch errors early
- Improved engineering productivity and software quality by spearheading the deployment of GitHub Super Linter

Hennepin County – Software Engineer Intern

May 2019 – June 2020 | MN

- Built support chatbots using C#, the Microsoft Bot Framework, and the Azure Bot Service
- Maintained and added features and unit tests to web applications that power county services
- Built continuous integration/continuous deployment (CI/CD) pipelines for the web applications
- Reduced the time to create reports on software project status by designing and building a work item data mart
- Built a serverless application to perform the data ingestion with Azure Functions and the Azure DevOps REST API
- Developed the ETL and data integration process to power the data mart with Azure Data Factory and SQL Server

Curriculum Associates – Associate Product Manager

July 2015 – July 2016 | MA

- Gathered and documented product requirements in Confluence and user stories in Jira
- Conducted user testing sessions to gather feedback to inform product development focus
- Eliminated blockers, led cross-team meetings, and relayed user testing feedback to the team
- Prepared and periodically presented reports on project status for non-technical stakeholders
- Served as a product owner, ensuring effective collaboration across editorial, design, engineering and QA teams

Education

Minnesota State University

Mankato, MN

Information Technology 3.6 G.P. A

May 2021

- Selected Coursework: Algorithms, Software Engineering, Software Testing/ QA, Advanced OOP with Design Patterns
- Certifications: Amazon Web Services Developer Associate (DVA-C01)

Hamilton College

Clinton, NY

Communication 3.4 G.P. A

May 2015

- Selected Coursework: Explorations-Computer Science, Introduction to Computer Science, Electronic Communication

Volunteering

Association of Computing Machinery (ACM Student Chapter)

Mankato, MN

Vice Chair

Dec 2019 – May 2021

- Responsible for developing chapter programs and providing an engaging space for everyone to code.