

MICHAEL HERNANDO

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Experience

Software Engineer

NJ Transit

September 2024 – Present

Newark, NJ

- Develop and maintain six internal applications for bus, rail, and HR operations using both serverless and traditional architectures across AWS and Azure.
- Migrate an on-prem web application to a serverless architecture on AWS to eliminate server maintenance overhead.
- Perform data migrations from legacy systems, including data mapping, validation, and cleanup to ensure accuracy and continuity across new platforms.
- Maintain and enhance automated test suites to sustain over 75% code coverage and improve code reliability.
- Implement CI/CD pipelines using Azure DevOps across development, test, and production environments to standardize releases and minimize manual deployment errors.

Software Engineer Intern

June 2023 – May 2024

NJ Transit

Newark, NJ

- Developed a full-stack internal web application for rail operations to replace a legacy system, modernizing the technology stack and enabling company-wide access.
- Worked directly with product owners to define requirements, refine scope, and plan high-impact feature releases.
- Migrated over 50,000 records from a legacy system, performing data mapping, validation, and cleanup to ensure accuracy and continuity.

Education

New Jersey Institute of Technology

January 2020 – May 2024

Bachelor of Science in Computer Science

Newark, NJ

- **Relevant Coursework:** Data Structures & Algorithms, Database System Design, Operating Systems, Computer Networks, Software Engineering, Data Science, Cybersecurity

Certifications

AWS Certified Developer – Associate (DVA-C02), Amazon Web Services — August 2025

Microsoft Certified: Azure Fundamentals (AZ-900), Microsoft — October 2024

Projects

InkCn | React, TypeScript, Lexical, Shadcn/ui | Website

January 2026

- Developed an open-source Shadcn/ui component registry for a Notion-style rich text editor built on Meta's Lexical framework, installable via a single CLI command.
- Designed an extensible architecture enabling developers to easily integrate and customize editor components in their projects.

Tempo Cards | React, Express, PostgreSQL

November 2025

- Built a spaced repetition flashcard app featuring a feature-rich, command-driven text editor and a clean, fully responsive UI, enabling users to create and organize study material efficiently.
- Implemented a spaced repetition algorithm with optimized scheduling to improve learning efficiency.

Spotify Music Quiz | React, Express, Spotify Web API | Demo

December 2023

- Built a music trivia game where players listen to track previews from their library, compete in timed scoring rounds, and share results on social media.

Technical Skills

Languages: C#, JavaScript, TypeScript, Python, SQL, C++, C, HTML/CSS

Developer Tools: Git, Visual Studio, VS Code, AWS Console, Azure Portal, Postman

Technologies: .NET, ASP.NET Core, React, Node.js, Express, REST APIs, SQL Server, Serverless (AWS Lambda, API Gateway, DynamoDB), Azure Pipelines