

Rodney Nunez

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EDUCATION

New Jersey Institute of Technology

Bachelor of Science in Computer Science

Newark, NJ

Expected May 2025

- Organizations: ColorStack, Society of Hispanic Professional Engineers

SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, Java, C, C++, Bash, HTML5, CSS3

Libraries & Frameworks: Next.js, React, Tailwind, Bootstrap, Jest, Flask, Pandas, Selenium, Scikit-learn

Developer Tools: AWS, Git, GitHub Actions, RESTful APIs, Docker, Figma, Storybook, MongoDB, Bitbucket

Certifications: DS4A Data Engineer

EXPERIENCE

JPMorgan Chase & Co.

Jersey City, NJ

Software Engineer Intern

Jun. 2024 – Aug. 2024

- Extracted and transformed interaction data from 5,000+ users in a Java RMI Application via a Java Swing GUI Popup to prioritize features for migration to a scalable React Web Application.
- Loaded the data into an Oracle Database hosted on AWS RDS using SQL Queries via the JDBC API.
- Led the team's React learning initiative by creating a comprehensive Confluence page and implemented an XML to JSON conversion component, enhancing data interoperability.
- Implemented Jest Unit Tests and Cypress E2E Tests (70% Coverage) and generated associated xml reports.

Prudential Financial

Newark, NJ

Software Engineer Co-Op

Jan. 2024 – May 2024

- Saved roughly 4-6 hours per use in production by developing an XML-based one-click automated solution that unblocks a queue of stalled actuarial sensitivity runs.
- Developed Python scripts that extract matching log entries via regex, transform the data using pandas, and load the data to excel, making hundreds of log files digestible. Tested using pytest.
- Refactored an existing Python-based AWS Secure File Transfer Protocol script to leverage the AsyncSSH and AsyncIO packages, allowing for concurrent SSH operations.

JPMorgan Chase & Co.

Columbus, OH

Software Engineer Intern

Jun. 2023 – Aug. 2023

- Halved the initial render time of a client-facing React Web Application that serves 1 million monthly users by utilizing Next.js's configurations & its different rendering techniques.
- Refactored in-house React Components and Hooks to ensure compatibility with Next.js and tested them via Storybook, Unit Tests (100% Jest coverage), and Cypress E2E Testing.
- Developed and Cloud-deployed one React and several Next.js Web Applications in order to compare performance after introducing Server-side Rendering and Static Site Generation.
- Won a company-wide hackathon by developing a React/Bootstrap and Java Springboot Web Application to facilitate knowledge sharing and networking among employees over lunch.

PROJECTS

Pokédex | Next.js, React, TypeScript, JavaScript, PokéAPI, Tailwind CSS, Shadcn/ui

- Developed a Web Application in order to solidify my knowledge of Next.js's capabilities.
- Utilized a RESTful API to fetch a list of 151 Pokémon and information on requested Pokémon.
- Filtered the list of Pokémon via monitoring a search field's value and a useState React Hook.
- Routed each card to a unique Server-side Rendered page with information on the specific Pokémon.
- Delivered an instant loading state from the server while the content of a route segment loads.

Bank Failure Warehouse | Python, SQL, Pandas, Beautiful Soup, Amazon S3 & Redshift

- Constructed a Data Warehouse via an ETL Pipeline plus Star Schema for Data Analysts to use.
- Extracted data from 1,178 companies in Python via Web Scraping and the Yahoo Finance API.
- Transformed the extracted raw data into processed data via transposing and cleaning with Pandas.
- Loaded the processed data into Amazon S3 and built the Data Warehouse in Amazon Redshift.