

# Rodney Nunez

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## EDUCATION

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### New Jersey Institute of Technology

Newark, NJ

*Bachelor of Science in Computer Science*

*Expected May 2025*

- Organizations: ColorStack, Society of Hispanic Professional Engineers

## SKILLS

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

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

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

**Certifications:** DS4A Data Engineer

## EXPERIENCE

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### HubSpot

Remote

*Software Engineer Co-Op*

*Sep. 2024 – Dec. 2024*

- Refactored legacy JavaScript + Redux class components into TypeScript functional components with Redux useDispatch and useSelector hooks, improving maintainability and type safety.
- Enhanced application quality by developing unit, integration, and acceptance tests with React Testing Library and Selenium, increasing code coverage and ensuring compliance with business requirements.
- Collaborated on client-facing and internal authentication-related applications using React, TypeScript, JavaScript, and Redux, contributing to improved user experience and project efficiency.

### 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.

## PROJECTS

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**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.