

Nicholaus Marsden

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GitHub:
github.com/NickAMars

Portfolio:
<https://nicholausamarsden.com>

>LANGUAGES AND TECHNOLOGIES

- **Proficient:** JavaScript, TypeScript, React, Node.js, Express, Redis, Redux, Mobx, RESTful APIs, Jest, SQL, NoSQL, HTML5, CSS3
- **Exposure:** Java, Kafka, Angular 15, Spring Boot, AWS (EC2, lambda, S3, CloudFront, SQS, SNS, SES, ECS, ECR), Azure, Kubernetes, Docker

>PROFESSIONAL EXPERIENCE

Cricket Wireless | Software Engineer | Atlanta, GA

Feb 2024 - Present

- Created a custom npm module to manipulate the DOM by injecting modals, updating plan features, and adding promotional content into a microservice frontend. This enhanced user experience by displaying account-specific content and errors across 15+ pages. Utilized JavaScript, TypeScript, and Node.js
- Implemented Google Analytics into the frontend system to track user interactions of over 40K+ daily users. This integration provided insights into the checkout process using JavaScript and TypeScript.
- Converted a legacy codebase from JavaScript, React, Angular 15 and Node.js to meet internal company standards. This redesign optimized new feature implementation time by 40-50%.
- Authored comprehensive documentation to improve code readability by over 60% and introduced architectural standards.
- Worked with a backend team of 12+ engineers using Swagger documentation for RESTful APIs. Technologies included TypeScript, JavaScript, Node.js, Java, Spring Boot, MongoDB, Docker, Kubernetes and Azure.
- Applied Jest for unit and integration tests, boosting test coverage of repositories to at least 90%.

Universal Orlando Resort | Software Engineer | Orlando, FL

Aug 2023 - Feb 2024

- Developed an event processor using Kafka in Node.js, increasing the throughput of ticket registrations to over 150+ per second for Universal Orlando Studio, leveraging AWS services for scalable infrastructure.
- Implemented a feature that integrated a backend solution within JavaScript, TypeScript, and React, allowing users to add up to 100 guests to their party, with backend services deployed on AWS.
- Created a RESTful API in JavaScript, TypeScript, and Node.js, enhancing customer satisfaction by enabling users to receive and modify their data within CouchDB and/or MSSQL. Additionally, implemented performance optimization features using Redis.
- Worked on Swagger documentation and applied test cases to edge cases, significantly increasing code quality.

IBM | Software Engineer | Sandy Spring, GA

Feb 2022 - Aug 2023

- Contributed to a \$3B ecosystem growth project, working with technologies including JavaScript, React, MobX, Node.js, Java, Spring Boot, Redis, Kafka, Kubernetes, Docker, IBM Cloud, DB2, and CloudantDB.
- Transitioned 90K+ opportunities (Software/SaaS/Hardware) from PRM to DMT for processing new incentives. Utilized automated and manual approaches to determine incentive eligibility using TypeScript, React, and Node.js.
- Created dynamic tables, user forms, transition logic, filters, and other key features in JavaScript, TypeScript, React, and MobX, enhancing user navigation through the UI/UX.
- Developed permissions, approval settings, exchange rates, and other essential features in TypeScript and Node.js, playing a crucial role in application delivery.

Stanley Black & Decker | Software Engineer | Atlanta, GA

Oct 2020 - Feb 2022

- Engineered a system using JavaScript, React, Redux and Vue.js to harness industry-level activity data, informing day-to-day activities within each individual manufacturing plant.
- Data collected from an Azure MS SQL database was filtered using SQL queries in Node.js to provide CRUD operations, authentication, and authorization. I also cached data with Redis in Node.js and supplied data for charts, tables, widgets, and navigation forms in React.

Itlize Global LLC | Full Stack Developer | Piscataway, NJ

Jun 2019 - Oct 2020

- Integrated a JavaScript and React front end with a backend AI solution, providing analyzed and highlighted medical details to emphasize affected areas in patient CT scans.
- Created an internal managerial system to track employee progress, provide feedback, ensure data security, and manage other aspects using JavaScript, TypeScript, Angular 6, Spring Boot, Node.js and AWS.

>EDUCATION**Bachelors Computer Engineer**, *University of Arkansas* May 2019

>CERTIFICATIONS**AWS Certified Developer - Associate** 2024

(https://www.credly.com/badges/491dfb22-0f45-4548-b740-dde43c8dc432)