

Quan Nghiem *Software Engineer*

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in LinkedIn

🐙 Github

🖱 Portfolio

{ } SKILLS

Language

Javascript | Typescript | C# | Java | C++ | NoSQL | SQL | HTML | CSS

Tools

- **Framework:** React | Angular | Spring | ASP.NET
- **Library:** Zod | Express | Redux
- **Runtime Environment:** NodeJS | Java JRE | .NET CLR

Infrastructure

- **CI/CD:** CircleCi | Github Action | Jenkin
- **Monitoring:** AWS Cloudwatch | Datadog | Sentry | Fullstory
- **Database:** Oracle | PostgreSQL | MongoDB | DynamoDB
- **Cloud:** AWS (Lambda, CodeArtifact, S3) | Azure

🧰 PROFESSIONAL EXPERIENCE

Software Engineer, TAXBIT

06/2022 – 06/2023 | Seattle, WA

At Taxbit, I had the opportunity to work as a Full Stack Engineer, where I developed cutting-edge products to address the challenges of tax compliance in the digital asset industry.

- I worked on developing an **SDK** that capture and process **W9 and W8 forms** for clients. This SDK aimed to simplify the process of gathering and managing the necessary tax documentation from clients and ensure compliance with tax regulations and data privacy requirements.
 - I developed **TypeScript** packages that leveraged the powerful **Zod** library for input validation. These packages ensure compliance with regulations by thoroughly validating data inputs against predefined rules and standards.
 - I employed **Playwright** and **Vitest** to conduct comprehensive testing of the SDK, enabling the identification and resolution of any bugs or issues to ensure the product met the required quality standards.
- I developed a robust system that could efficiently process large volumes of transaction data from multiple cryptocurrency exchanges in CSV
 - I utilized AWS lambda to implement serverless functions that optimized utilization of resources, resulting in cost-effective and efficient data processing.
 - I developed parsers and data transformation logic to extract relevant information from the CSV files in Typescript and convert it into a format suitable for further processing and storage.
 - To ensure data integrity and reliability, I implemented thorough error handling and data validation mechanisms. This involved validating data formats, handling exceptions gracefully, and logging any errors encountered during the ingestion process into DynamoDB.

Software Engineer, CITIGROUP

08/2020 – 05/2022 | Irving, TX

During my time at Citigroup, I played a pivotal role in redesigning deprecated websites, enhancing the overall user experience, and fostering a more efficient and scalable web infrastructure using **Angular** and **NodeJS**

- One of my key responsibilities was developing **RESTful APIs** to perform CRUD operations on **Oracle** datasets, utilizing my expertise in **TypeScript** and **SQL** to craft efficient and seamless interactions between the front-end and back-end systems.
- I optimized **SQL** queries to improve data integrity and efficiency
- I also created a UI components library for Citigroup to provide reusable components and reduce scaffolding time.