

# Noriel Valdes

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*Results-driven software engineer with 10 years of demonstrated experience as a tech lead; showcasing a diverse, flexible, and pragmatic set of problem solving skills, an emphasis on collaborative mentorship, and a high standard of excellence*

## Work Experience

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Northpass | *March 2021 → Present*

### Senior Full Stack Software Engineer — Integrations & Partnerships Tech Lead

- Leading a team of three engineers responsible for building and maintaining a suite of integrations between Northpass's Ruby on Rails codebase and our strategic partners in the SaaS space.
- Mentoring engineers through code reviews and 1:1 coaching to ensure continuous growth of the team, and the engineering organization as a whole.
- Designed and implemented a microservice that asynchronously relays learning data events from Northpass's Kafka cluster to customers' Hubspot accounts, leveraging AWS SQS to keep the service resilient and highly available, and Datadog for observability and monitoring.
- Conceptualized and realized a service that enabled customers to offer fully branded certificates to their learners, using command bus architecture and domain-driven design to keep the service maintainable by the overall engineering organization.
- Migrated continuous integration for Northpass's library of microservices from CircleCI to Github Actions.
- Optimized Northpass's webhooks engine to ensure prompt delivery of customer event data during application load spikes while expanding its capabilities by connecting it to course enrollment and learning path events.
- Enabled Northpass's custom Salesforce AppExchange application to retain historical course progress.
- Created a bespoke integration between the HackerRank Academy and ChurnZero, using AWS Glue and Lambda.
- Embedded the Workato workflow engine seamlessly into the Northpass product, leveraging existing webhooks and API endpoints to streamline the development process.
- Leveraged Workato's built-in connectors to quickly release integrations that synchronize client learning data with Gainsight, Zendesk, and Iterable.
- Configured local development environments with Docker Compose, staging and production environments with Kubernetes, and continuous integration with Github Actions

The Vitamin Shoppe | *January 2020 → March 2021*

### Senior Software Engineer — Front End Tech Lead

- Mentored a team of 20 engineers based in Mumbai on software development fundamentals like Object Oriented Programming, Test-Driven Development, DRY, orthogonality, and idempotence.
- Ported the suite of marketing tags on vitaminshoppe.com from Signal to Google Tag Manager on an emergency basis after an unexpected data flow interruption.
- Choreographed sourcing of updated technical requirements and data flow validation with internal stakeholders and external providers, as part of the tag manager migration.
- Led a team consisting of three engineers, a quality analyst, and a product manager responsible for upgrading from AngularJS 1.5 to Angular 8 without interrupting ongoing feature development.
- Implemented a hybrid module approach with ngUpgrade, allowing the two versions of Angular to operate in tandem at runtime.
- Built a NodeJS middleware between Aptos One (POS) and JDA (ERP) which converted the incoming REST requests to XML payloads that JDA understood. The middleware was deployed using dockerhub and kubernetes.
- Automated the aggregation of data for consumption by in-store digital displays, enabling the stores team to avoid needing a tedious manual data collation process.

The Vitamin Shoppe | *February 2018 → January 2020*

### Software Engineer — Front End

- Introduced Typescript to the front-end stack of vitaminshoppe.com, providing instant validation of data formats being passed throughout the codebase.
- Converted the front-end application architecture from bare controllers and template-directives to reusable components and singleton services.
- Migrated the build process from RequireJS to Webpack, enabling us to lazy-load JS modules, CSS stylesheets, and HTML templates, thereby decreasing website load time.
- Established front-end coding standards with SonarJS and Prettier, enforced as part of the CI build.
- Implemented an automated front-end build process for vitaminshoppe.com, integrating RequireJS with Jenkins CI.

Century 21 Department Stores | *April 2016 → February 2018*

#### **Full Stack Software Engineer — eCommerce**

- Implemented a web application with Angular 5 on the frontend and .NET Web API on the backend to facilitate financial record-keeping for a “Mystery Gift Card” marketing campaign.
- Realized a browser-based 360° virtual reality shopping experience for the 2017 Holiday Homepage Takeover.
- Combined a vast library of disparate web applications into a single Ruby on Rails site that integrated with Active Directory for single sign-on and access control.
- Developed a native iPad app in Swift for soliciting credit applications from customers on the sales floor, and used MobileIron to manage the deployment of this app to 175 devices at 11 stores across 4 states.
- Created a product data management tool with AngularJS 1.4 on the frontend and .NET Web API on the backend enabling the eCommerce production team to complete a week's worth of work in less than 5 minutes.

Century 21 Department Stores | *January 2015 → April 2016*

#### **Product Manager — eCommerce**

- Managed the re-platforming of c21stores.com to Ruby on Rails.
- Documented all production and post-production workflows on the legacy Coldfusion platform to speed up QA.
- Facilitated the day-to-day operations of the Web Production team to ensure business continuity.
- Implemented several scripts and tools to automate the transition between platforms for business users.

Century 21 Department Stores | *December 2013 → January 2015*

#### **Requirements Engineer — eCommerce**

- Elicited business requirements from stakeholders.
- Formalized business requirements into specification documents containing a combination of functional/non-functional requirements, and UI/UX wireframes, mockups, and comps.
- Ensured that deliverables complied with functional requirements.

The Frick Collection | *June 2013 → December 2013*

#### **Software Engineer — iOS**

- Implemented a fullstack cross-platform mobile app with Adobe AIR.
- Ensured that the UI of the app adhered to the iOS 7 HIG.
- Also served as Business Analyst and Project Manager for the team.

## **Education**

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Stevens Institute of Technology | *Aug 2013 → Dec 2017*

**Master of Science:** Enterprise and Cloud Computing

Stevens Institute of Technology | *Aug 2008 → May 2013*

**Bachelor of Arts:** Music & Technology

**Minor:** Computer Science

## **Skills**

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**Programming Languages and Libraries:** Ruby on Rails, Javascript, Angular, NodeJS, React, Python, Swift, C#

**Engineering:** Test-Driven Development, Clean Code, Domain-Driven Design

**Spoken Languages:** Natively fluent in both English and Spanish