

# Marcelle Padilla

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GitHub: <https://github.com/MarquisLP>

## Experience

### Senior Software Developer

(February 2023 – Present)

D2L

- Designed and implemented a user-facing data sets feature integrating several AWS services with a new REST API that minimizes HTTP requests, maximizing scalability for millions of DAUs while reducing costs three-fold compared to the next-best option
- Led team contributions for a cross-organization project by creating stored procedures in MS SQL Server databases, communicating with stakeholders and SMEs from other teams, and mentoring a junior teammate who worked under me for this project
- Created a storage usage report that uses an event-driven architecture to gather media file sizes from client uploads and aggregate them in a dynamic analytics view with daily updates, driving million-dollar business decisions around client billing contracts

### Software Developer

(June 2020 – February 2023)

D2L

- Guaranteed over 99% uptime for a cloud-based Node.js web service serving over 100 GB of file content per month by enhancing monitoring and logging logic in API Lambda workers and by implementing full suites of unit and integration tests per API route
- Safely migrated millions of database records for thousands of clients by modeling new DynamoDB fields for efficient access and usage, followed by creating a new Elasticsearch index and performing a blue-green deployment to sync records
- Organized a multi-sprint Agile project by explaining technical limitations to Product Managers, breaking tasks down into user stories for myself and another developer, and keeping progress in-sync over Slack and GitHub to complete the project 1 week early

## Education

### Honours Bachelor of Science with High Distinction (September 2015 – April 2020)

University of Toronto Scarborough

Computer Science Specialist Co-op

Recipient of U of T Scholars Award, Listed on UTSC Dean's List

CGPA 3.5 / 4.0