

# RAFAEL RENDON PABLO

## Software Development Engineer

Seattle, WA • 206 765-6537 • Green card holder

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Software development engineer with over eight years of experience steering the design, development, and delivery of software solutions. Proven ability to successfully design APIs, automated tests, and support all aspects of the engineering lifecycle to uphold the highest quality and delivery standards. Effective communicator who can collaborate with technical and non-technical stakeholders to deliver results.

### Technical Proficiency

- Programming Languages
  - **Advanced:** Java, Go, C/C++
  - **Intermediate:** Ruby, Python, Kotlin
- Databases: DynamoDB, MongoDB, MySQL, Postgres, SQLite, Amazon Redshift
- Cloud Computing: Various AWS services: EC2, Lambda, SQS, SNS, Kinesis, CloudWatch, ACM, CloudFormation, IAM
- Other: TDD, OOP, Software Design Patterns, REST APIs, DevOps, Shell scripting, Algorithms and data structures

### Core Competencies

Software Development | APIs and Web Services | Product Development | Continuous Improvement | Collaboration and Leadership

## PROFESSIONAL EXPERIENCE

### Time off

June – Present

- Decided to take a long break to visit family.
- Catching up with new technology, working on personal projects, working on my blog (letmethink.blog/).

### Software Development Engineer (SDE) II – AWS Kinesis, Seattle, WA

Jun 2022 – June 2023

- Technologies: Java, Web APIs, DynamoDB, and DevOps.
- Working with the Kinesis team to deploy the service to new regions and ensuring the systems stay up and running.

### Software Development Engineer (SDE) II – Amazon Lightsail, Seattle, WA

Sep 2018 – Jun 2022

- Technologies: Java, Go, Web APIs, API GW, AWS Lambda, DynamoDB, SQS, SNS, Redshift, DevOps, and other internal services.
- Designed and wrote APIs in alignment with best practices to ensure reliability, ease of use, security, and efficiency of AWS for 70,000+ non-technical customers (AWS CLI) and frontend team.
- Used secure software design concepts to ensure authentication, authorization, data validation, and data protection across APIs.
- Worked with EC2 DLM team to get early access to a feature that enabled automatic snapshots for disks and instances.
- Collaborated with AWS ACM on Lightsail Certificates, S3 team to drive Object Storage, and other teams for troubleshooting.
- Developed and participated in development of 20+ REST APIs during tenure.
- Designed and developed automated tests for all public APIs to minimize repetition and duplication and detect problems; used Java for load testing, DynamoDB for storing metadata, and CloudWatch for logs and metrics.
- Maintained and extended metering systems, fixing bugs and ensuring data flow.
- Wrote a tool in Go and AWS SDK to facilitate data retrieving, fix resources, and troubleshooting (operations) in general.

### Software Development Engineer (SDE) II – Amazon Marketplace, Seattle, WA

Jan 2017 – Sep 2018

- Technologies: Java, DynamoDB, Kinesis, Redshift, server-side website programming, and legacy software.
- Optimized data pipeline and wrote REST APIs via JSON format to provide performance metrics such as number of orders, defects, chargebacks, and returns to third-party sellers. Optimized the data pipeline reducing the total load time by 25%.
- Interfaced with data team, technical project managers, and other teams.

### Software Development Engineer (SDE) I – Ooyala, Guadalajara, Mexico

Apr 2016 – Jan 2017

- Technologies: upper/db, Gorilla/mux, Go, Ruby, JavaScript, MySQL.
- Developed a monitoring system for internal use and a metrics dashboard (e.g., number of errors, latency, number of requests, etc.) for resellers, using data sources from Datadog within a content distribution and monetization service company.

### Software Development Engineer (SDE) I – Critical Masser, Mexico City, Mexico

Apr 2015 – Apr 2016

- Technologies: Go, Ruby, MongoDB, GNU/Linux.
- Developed a web crawler in Go and used breadth-first search for network exploration with RabbitMQ for queue to collect data from Twitter and find clusters of users with strong relationships for ad targeting for a small startup.
- Performed frontend development, building a simple web app that displayed graphs to interpret data collected.

## EDUCATION

CS169.1x: Engineering Software as a Service, MOOC from Berkeley

2015

M101P: MongoDB for Python Developers, MongoDB, Inc

2015

