

Joshua Concon

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Experience

Amazon, AWS RDS for Oracle, Software Development Engineer

Jan 2025 – Present

- Configured and patched parameters to reduce historical log sizes of RDS instances by 61%, resulting in a reduced base volume usage per instance by up to 3.8GB
- Refactored audit logging Integration Tests to reduce S3 Bucket usage by 98% in the daily integration test runs and reducing the blast radius of S3 failures

GreenShield, Integrations, Backend Software Engineer II

Jun 2024 – Jan 2025

- Tuned a mission-critical PostgreSQL Database containing user account data to increase query throughput by 90%, saving GreenShield up to \$11K per year on Cloud SQL GCP
- Refactored the CSV processing of a Nest.js app by partitioning I/O intensive tasks, increasing CSV file upload capacity from 10K rows to 500K rows

Restaurant Brands International, Loyalty, Software Development Engineer II

Sep 2021 – Apr 2023

- Designed and implemented a notification flow for the authentication of loyalty users via saved payment methods in AWS SNS, allowing for improved analysis of the loyalty program
- Wrote scripts that updated millions of incomplete DynamoDB data records to reduce support tickets and errors
- Converted several components as part of a migration of the Mobile App Core shared between Tim Hortons, Burger King and Popeyes from Capacitor to React Native, reducing complexity and increasing developer velocity
- Mentored 4 interns and new graduate employees, resulting in 2 successful internship conversions

Scotiabank, Cloud Operations and Dev Ops, Product Design Intern

Sep 2020 — Dec 2020

- Redesigned the internal cloud onboarding flow that is responsible for \$17k of monthly sales with usability tests
- Won 1st in an internal hackathon by pitching a scheduling app that helps businesses operate during COVID-19

Altice USA, a4 Media Platform, Software Developer Intern

Jun 2019 — Aug 2019

- Built a Node endpoint to validate and intake assets, reducing ad campaign submission time by 140+ hours each
- Implemented a diagnostic tool in Flask to find and delete unused advertiser models in a PostgreSQL Database

Scotiabank, Market Risk, Software Developer Intern

May 2018 — Apr 2019

- Built a Django app to monitor runs of the VaR calculation over the bank's assets, allowing for operational costs to be estimated
- Developed a log monitoring web app in Python for a mission-critical system, quickening the debugging process
- Launched new accessibility features in a P&L web app, allowing traders to initiate trades more quickly

Education

University of Toronto, Honours Bachelor of Science, Computer Science

Jun 2024

- Teaching Assistant: Introduction to Programming, Discrete Math, Data Structures, Databases and Web Apps

Projects

Woven

wovenapp.ca

- Built a closet management app that tracks clothing usage, like cost per wear to help users reduce clothing waste

Sailboat

joshuaconcon.ca/Sailboat

- Built a food discovery app that won \$1.5K in funding and residency in 'The Hub' and DMZ Basecamp incubators

Skills

Languages Tools & Tech

Python, Javascript, Typescript, Java, HTML/CSS, SQL, Bash
Flask, Django, React, Node, GIT, Docker, CircleCI, AWS, GitHub