Brendan P. Robert

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I have a strong methodology for clean code, valuing small, distinct methods that do one job very well.

Experience

SR SOFTWARE ENGINEER CONSULTANT | REMITLY | October 2022 – March 2023

Designed and implemented "Rapid Refund" internationally. Converted legacy monolithic Java into modern extensible well documented spring microservices as part of this implementation.

Lead the MySQL database version upgrades for all of our microservices hosted in AWS. Included updating best practices to include replica generation to ensure data saftey.

SR. SOFTWARE ENGINEER | MISSION LANE September 2022 – October 2022

New Product Development (NPD): Designed and wrote Kotlin Spring Boot REST microservices from scratch including a flyway Postgres DB, Google Cloud Platform (GCP) and Kubernetes/Docker integration's for deployment. Worked extensively with message queues including GCP Pub/Sub. Integrated with auditing and reporting services.

Responsible for building and maintaining Postman integration and E2E test suites to ensure rapid regressions. 100% unit test coverage using Junit.

SR. SOFTWARE CONSULTANT/ENGINEER | CAPTECH CONSULTING | March 2021 – September 2022

<u>Mission Lane</u> – Designed, built and delivered three new financial products with a mobile and web app. Engineered the back-end

Kotlin Spring Boot microservices and deployed in Kubernetes Clusters in Docker containers. Improved CI/CD pipelines. Mentored new hires to adopt best practices and code quality standards.

<u>SEPTA</u> – Lead the back end team to build an API for the "mobile ticketing" project. Utilized AWS Lambdas to deliver a maintainable server-less product.

SOFTWARE DEVELOPER II | VANGUARD | May 2020 – March 2021

Internal Operations Automation Lab. Worked on a nightly batch and REST webservice that automated many manual processes reducing the tedious error-prone labor our ops teams have to do.

SOFTWARE DEVELOPER | VANGUARD | Oct 2018 – May 2020

In this role I developed primarily in Java for many of our mid-tier microservices. These services produced and consumed JSON in a REST-ful way. The business value we delivered allowed for systematic Tax-Loss Harvesting for all of our client's financial accounts, allowing for Lot-Level accuracy of investment recommendations. We used GIT as our version control and operated in an AGILE fashion with 3-week sprints. We had daily scrum to assess our progress. I learned how to work in a very large project with hundreds of developers all working in the same code bases.

SOFTWARE DEVELOPER | EVOLVE IP | June 2017 – Oct 2018

Develop primarily back-end business critical applications, mostly in Java.

<u>User Database Performance Improvements</u> – We have a business critical ETL program that runs nightly on CronTab. This program previously took 11+ hours and sucked up system resources. I turned this program into a multi-threaded app that now takes < 10 minutes to run. I noticed much of our time was spent idle, waiting on network I/O which made it a prime target for concurrency.

BILLING ANALYST | EVOLVE IP | NOV 2015-JUNE 2017

<u>Automated Billing Development-</u> Wrote a Java program that automates ~70% of Evolves' revenue billing service changes (all of UCaaS products). This program cut out about 20 man-hours a week of manual data entry and validation. Takes significant pricing, product code, and service business logic into account to ensure 100% accurate billing.

<u>Web Reporting-</u> Wrote Java web application that allow a user to input multiple parameters (Customer ID, Product Code etc.) to return a CSV report of billing business logic including data on what products and services are provisioned compared to what is billing to justify the accuracy of our invoices. Data to produce report is pulled dynamically from multiple different databases.

PURCHASING INTERN | WHOLE FOODS MARKET – MID ATLANTIC CORPORATE | SUMMER, 2014

<u>VBA Macros</u>: Wrote VBA macros to expedite daily business processes for the Financial, I.T. and Asset Management Departments

Education:

Bachelor of Science, Business Administration | Saint Joseph's University

Major: Food Marketing | Minor: Communications