

GRIGOR SARGSYAN



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<https://ggsargsyan.github.io>

Summary

Responsible for software engineering of the Intuit QuickBooks Online Payroll (QBOP) Workforce (WF) product across US, UK, and Canada with 11 million active monthly users.

Experience



Software Engineer

Intuit

Jan 2021 - Present (2 years 5 months)

- Grew Workforce by 900K new users by reinventing the Self-Signup Invitation experience, empowering employees with the freedom to access their finances without the need for employer action.
- Applied Generative AI to prototype a paycheck estimator using ChatGPT LLM, LangChain, prompt engineering, and python.
- Automated the CI/CD Jenkins testing using Java and the Cypress testing framework, saving 100s of engineering hours within the first year.
- Collaborated with Data Scientists to add metrics tracking for Product Managers and create Splunk Dashboards for QuickBooks Payroll.
- Launched dozens of frontend features from scratch in anticipation for the release of the WF Mobile App using React, TypeScript, GraphQL, Jest, and styled-components.



Software Engineer

Northrop Grumman

Jun 2017 - Jan 2021 (3 years 8 months)

- Built a multi-threaded Ignition Safety Device simulator in C# and C++ for testing the hardware of a real next generation missile used by NATO.
- Automated the expansion of telemetry memory maps and databases on the Byte level using Python.
- Optimized OracleDB transaction performance by 8% and eliminated redundancies in agile workflow.
- Hands on experience with distributed systems, Virtual Machines, and private cloud servers.

Education



UC San Diego

BS, Mathematics – Computer Science

2015 - 2017



Lewis University

MS, Data Science

2019 - 2021