

DRAGOS BADIU

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Experience

Rolls-Royce - Full Stack Software Engineer

June 2022 - Present

TypeScript, React, Redux, Django, PostgreSQL, Docker Compose, Git, Redis, Nginx, Tailwind

Remote, QC

- Designed and developed an advanced application, following a design-by-feature microservice architecture, that allows users to orchestrate multiple custom CronJobs. Once set, the application processes them independently on a regular basis, transforming raw data into actionable insights, while recording successes, failures, and logging individual operations.
- Conceived and executed a comprehensive training product, streamlining the onboarding process by providing new employees with an in-depth look into the development lifecycle.
- Pioneered and implemented a containerized production framework from scratch for global site launches across diverse internal tools and applications, introducing newfound efficiencies in deployment and update processes.
- Initiated the shift to the ReactJS framework in the development cycle, transitioning from the foundational use of raw HTML, CSS, and JavaScript
- Contributed to the ongoing design and enhancement of multiple microservices, automating processes and significantly reducing engineering time for jet engine repairs and refurbishment.

Annedora - Webmaster

Jan 2023 - Present

React, Redux, Hooks, React Router, Python, Django, Rest API, Railway, Cloudinary, PostgreSQL

Remote, QC

- Orchestrated the entire build of an e-commerce platform, from domain setup to secure payment integrations, elevating a local business's online presence, credibility, and reach. - annedora.ca
- Demonstrated high level of autonomy and initiative by independently tackling tasks and proactively acquiring knowledge of new technologies without external prompting.
- Maintaining optimal user experience by consistently delivering enhancements, upgrades, and new features to improve platform functionality.

CAE - Software Developer Intern

May 2021 - May 2022

C++, .NET, PowerShell, Strive, Microservices

Remote, QC

- Refactored legacy code to transition from proprietary libraries to streamlined C++, minimizing dependencies and reducing reliance on outdated expertise.
- Rectified an issue leading to improper background process termination by introducing necessary object clean-up code, preventing shared memory pollution and ensuring consistent service startups.
- Collaborated closely with flight simulator technicians to integrate and debug software features, developed by both myself and fellow developers, in line with hardware specification requirements.

Thales - Software Developer Intern

Jan 2020 - May 2020

Python, C, C++, Ada, Gala, Simulink, Matlab

Remote, QC

- Engineered features for automating embedded code generation software, leveraging reusability principles, which drastically reduced verification and validation hours.
- Engaged directly with the verification and validation team and the systems development group, facilitating ongoing feedback loops to refine and finalize our solution.

Thales - Systems Implementation Verification and Validation Intern

Sept 2018 - Dec 2018

C++, Ada, Simulink, Matlab

Montreal, QC

- Conducted thorough analysis of Simulink code diagrams, performing quality assurance tasks to identify and rectify nuanced code anomalies.
- Offered insights and remedial measures for subtle code discrepancies.
- Crafted C++ tools within MATLAB to automate and streamline the implementation verification and validation process.

Technical Skills

Languages: TypeScript, Python, C++, SQL, Java

Developer Tools: VS Code, Pycharm, DynamoDB, SQS, Lambda, S3, Redis

Technologies/Frameworks: ReactJS, Django, Flask .NET, GitHub, Databricks, Railway, TailwindCSS,

Education

Concordia University

Bachelor in Electrical Engineering