Devon Miller-Junk
3A Computer Engineering

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SKILLS

Languages: TypeScript, JavaScript, HTML, CSS/SASS, SQL, C/C++, Python, Java

Tools: Node, Vue, React, REST, GraphQL, Git, AWS, Azure, Docker, Postgres, Redis, Elasticsearch, MongoDB

EXPERIENCE

Software Engineer, *Finastra/Doorr*   Aug - Dec 2020

- Took lead role on the Admin Portal team: controlled releases, feature development, road mapping, and prioritization which helped Doorr get acquired by Finastra, a multi-billion-dollar fin-tech giant

- Designed new account registration and creation flow with AWS Cognito for the fast and secure integration of over 17,000 broker accounts to the platform

- Created a Metrics Tracking Library to monitor the status and uptime of large scale serverless systems

- Expanded the Codebase, adding in a Business Metrics Dashboard, 3rd Party Integration Status System, and an Administration Auditing System in Vue with a serverless architecture using AWS Lambdas

Full-Stack Developer, *LCBOnext*   Jan - Apr 2020

- Developed a GraphQL API for the piloting of Electronic Bin Tags in retail stores across Ontario using Azure Functions for an ETL service combined with Elasticsearch and Redis for fast querying

- Created a white-labelled PWA to report Alcohol Service Challenges in React configured with role-based access control

- Set up user analytics system using Google Analytics and Google Tag Manager to add data-based recommendations and services to our product recommendation applications

- Created a custom Self-Checkout Counter to reduce contact in stores during COVID-19 using the Square PoS API

Software Engineer, *Doorr*   May - Dec 2019

- Developed serverless application testing architecture to automatically evaluate the platform with Puppeteer and Jest, reducing pre-release testing by upwards of 50%

- Refactored 3rd party mortgage application submission tool, reducing the frequency of errors by 83% and Lambda invocation duration by 40%

- Designed and implemented serverless administration portal that reduced time spent on client requests and provided essential business metrics

PROJECTS

Raspberry Pi Debugging Tool   C++

- Developed a Raspberry Pi evaluation tool to decrease testing time of projects/labs in programming courses

- Designed and created a state-machine based pseudocode interpreter for custom evaluation design

Nowhere to Go   Python

- Created a two-player strategy game centered around trapping your opponent with an AI using the minimax algorithm

- Used Optimal Pathfinding algorithms to ensure efficient route finding in a constantly shifting hexagonal grid

EDUCATION

- Candidate for Computer Engineering Bachelor of Applied Science, University of Waterloo (2018-2023)

- Term Dean's Honours List, 3.98 GPA

- Swim Breaststroke and Freestyle on the Waterloo Varsity Swim Team