Victor Popoola

Location: New York, New York

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GitHub: https://github.com/VictorXLR

Skills

React, Typescript, Python, C/C++, MySQL/PostgreSQL, Node.js, React Native, AWS, Rest APIs, Git, CI/CD, Machine Learning, Data Engineering

Work Experience

Software Engineer - Meta Reality Labs　　　　　　　December 2023 --- September 2025
Meta, Burlingame, California - New York, New York

- **Eliminated 60+ hours of weekly manual work** by creating ctrl-kit, an internal EMG model prototyping tool adopted by 15+ researchers and growing (React, Python)
- **Reduced manual experiment configuration time by 80%** by developing a multi-source data collection framework handling 6 distinct data sources (React, Lab.js, TypeScript).
- **Scaled data pipelines to process 10+ million records**, optimizing infrastructure that directly improved ML model capabilities for EMG research (Python, React, C++).
- **Accelerated model iteration cycles by 40%** through building a visualization frontend enabling researchers to quickly identify bias and performance issues (TypeScript, D3, React).
- **Reduced decision-making latency by 50%** by designing scalable software solutions for exponentially growing data requirements across cross-disciplinary teams (Python, TypeScript, C++).

Software Engineer – Autonomous Vehicle Backend　　　November 2022 --- August 2023
Pronto.ai, San Francisco, California

- **Built FMS fleet management application** serving 500+ autonomous vehicles with React web interface for cloud and on-premise device management (FastAPI, React)
- **Contributed to Python ML codebase** powering autonomous truck navigation, real-time messaging, routing, and safety systems (Pytorch, Python, OpenCV)
- **Developed hardware abstraction layer** creating software drivers and vendor-agnostic packages with backward compatibility for existing products (Linux, Python)
- **Improved system performance and security** across messaging, logging, databases, software versioning, and networking stack (Python, AWS, Ansible, Linux)

Software Engineer　　　　　　　　　　　　　　August 2020 --- October 2022
Watzan LLC, Halifax, Nova Scotia

- **Launched cross-platform mobile app** for social audio platform ililli.co using Flutter framework (iOS, Android, Web)
- **Containerized legacy applications** using Docker and Terraform for cloud-ready deployment
- **Implemented CI/CD pipeline** using Fastlane for automated testing and deployment
- **Created comprehensive documentation** for developer and end-user perspectives
- **Established testing framework** with unit and integration tests for Ruby, Dart (Flutter), and workflow scripts

Education

Dalhousie University, Halifax, NS　　　　　　　　September 2016 --- October 2020
Bachelor of Computer Science with Honors