

Ravi Maru

Senior Full-Stack & Mobile Developer | React, React Native, Python/Django & AWS

Toronto or remote | Contract and full-time roles

Toronto, Canada | ravimaruu@gmail.com | +1 (647) 978-6177

weklo.app | github.com/RaviMaru20

SUMMARY

Full-stack and mobile developer with 5+ years building web and mobile applications, APIs, and connected-device software across medical-device, wellness, and industrial products. Leads ReFlex dashboard and backend development with React/Next.js, Python/Django, and AWS, and builds cross-platform iOS and Android apps with React Native. Founder of Weklo, a commercial team-collaboration SaaS serving a 15-person paying organization.

TECHNICAL SKILLS

Frontend & Mobile: React, Next.js, TypeScript, JavaScript, React Native, Expo, SwiftUI, Jetpack Compose, HTML/CSS

Backend & Data: Python, Django, Django REST Framework, Django Ninja, Node.js, SQL, PostgreSQL, Redis, Stripe

Cloud & Quality: AWS, Terraform, Docker, Kubernetes, Jenkins, pytest, Jest, Vitest

Devices & VR: Unity/C#, C, Embedded Linux, Arduino, ESP32, WebSockets

PROFESSIONAL EXPERIENCE

Software Developer | **NeuroFlex**

January 2024 - Present | Toronto, Ontario, Canada

- Led ReFlex dashboard and API development for a non-medical health and wellness product, building Next.js interfaces and Django REST services for organizations and consumers to manage users, headsets, training, analytics, and access.
- Developed NeuroFlex clinical dashboard features and APIs for patient management, FOVE licensing, and review of concussion screening and oculomotor reflex results from eye-tracking headsets; the medical-device platform has processed 19,500+ tests and 1M+ individual metrics.
- Connected the ReFlex dashboard and Unity/C# virtual reality app for eye-tracking headsets through authenticated APIs and WebSockets, implementing headset login, token refresh, live device/user status, notifications, and bidirectional messaging.
- Implemented monthly and annual Stripe subscriptions for enterprise and consumer plans, including 7-day trials, Checkout, webhooks, licensing entitlements, invoice workflows, and custom time-bound access grants.
- Reduced AWS environment provisioning and deployment from days of manual work to minutes with Terraform and Helm; built Jenkins CI/CD for automated tests, Docker builds, ECR publishing, and staging releases.
- Developed a cross-platform React Native and Expo mobile application for iOS and Android, integrating native SwiftUI and iOS 26 Liquid Glass experiences alongside Jetpack Compose and Material 3 components.
- Improved the ReFlex VR interface with clearer spatial layouts, laser-pointer scrolling, and reliable recentering; reduced per-frame allocations in gaze processing by reusing buffers and collections.

Founder & Full-Stack Developer | [Weklo](#)

January 2026 - Present | Independent commercial product | Remote

- Took Weklo from concept and user-tested MVP to an October 2026 launch: a B2B SaaS for weekly reflections and real-time collaboration, serving one paying organization with 15 users on a custom invoiced plan.
- Built responsive Next.js/TypeScript interfaces and Django Ninja APIs backed by PostgreSQL, with company/team permissions, passwordless authentication, Stripe subscription workflows, and manual-license entitlements.
- Implemented Redis-backed WebSocket collaboration with live presence, synchronized updates, revision-based conflict detection, and draft preservation across navigation and reconnects; rechecked access permissions before delivering events.
- Operated a self-hosted Docker/Linux deployment with Cloudflare Tunnel and Amazon SES email; implemented automated database backups, encrypted backup copies, and restore verification tooling, with regression tests for access control, billing, and collaboration.

Software Developer | [Nanowave Technologies Inc.](#)

January 2019 - October 2023 | Toronto, Ontario, Canada

Promoted from Electronics Technician (January 2019 - January 2020) to Junior Software Developer (February 2020 - March 2022) to Software Developer (April 2022 - October 2023)

- Developed React dashboards and Node.js and Flask services that visualized radar statistics and radial scans produced by embedded Linux systems; containerized application workflows with Docker.
- Programmed Arduino and ESP32 controllers for stepper motors and temperature sensors, integrating radar-system peripherals with a Linux SoC platform that used FPGA-based signal processing.
- Automated RF testing and specification reports using Python and C, controlling spectrum analyzers, signal generators, and oscilloscopes; integrated instruments and embedded modules over serial, UART, and I2C interfaces.
- Built a Python and Apache Airflow data pipeline that collected near-real-time energy pricing every five minutes to support location-aware battery charge and discharge decisions for solar installations.

EDUCATION

Bachelor of Science in Computer Science | University of London | 2023

Diploma in Automation & Robotics Engineering | Centennial College | 2017

Diploma in Electronics & Communication Engineering | Nirma University | 2015