

Ronny Majani

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Australian Citizen • Remote Worldwide • Currently in Egypt / Turkey

SUMMARY

Senior full-stack engineer and 0-to-1 systems builder. I ship complete products end-to-end — solo or leading small teams from concept to launch. Strong across TypeScript/Node, React and React Native, and cloud (GCP/AWS/Azure), with embedded and platform experience that lets me move freely between mobile, web, and infrastructure layers. Ex-Microsoft, ex-Head of Software at an AI startup. I work fast, take ownership, and remove the noise so products actually get built.

SELECTED PROJECTS

Dive Kit — Mobile Dive Planning App

divekit.app

Solo Engineer & Designer

- React Native / Expo mobile app for scuba dive planning, designed and built solo from scratch.
- Outperforms incumbent dive-planning apps through faster planning flows, cleaner UX, and offline-first behavior.
- Stack: TypeScript, React Native, Expo, local-first persistence.

Celesta Liveboards — Operations Platform

Solo Architect & Engineer

- Built a full operations platform from scratch for a diving liveboard yacht business: booking system, public website + CMS, CRM, accounting, supplier management, HR, and third-party integrations.
- One person, end-to-end — design, architecture, frontend, backend, deployment, and integrations.
- Stack: TypeScript, Node, React, PostgreSQL, cloud-deployed.

EXPERIENCE

Software Engineer (Independent) — Self-Employed

02/2026 – Present

Remote

- Maintaining and growing Dive Kit (React Native dive planning app, divekit.app) — live in production, ongoing feature development, real user base.
- Continuing development on Celesta Liveboards' operations platform — daily-use production system spanning operations, finance, content, and customer-facing surfaces.
- Production deployment and observability for both projects: Hetzner VPS with Coolify, PostHog for product analytics, Sentry for error tracking.
- Stack: TypeScript, Node, React, React Native, Expo, PostgreSQL.

Director of Operations & Internal Systems — Neoma Group

10/2024 – 02/2026

Istanbul, Turkey

- Set up internal IT and software systems for two industrial-scale chemical manufacturing factories.
- Implemented ERP-style tooling, accounting integrations, and supplier-management workflows from scratch.
- Led a cross-functional team across operations, finance, and IT.
- Coordinated procurement, legal, and accounting workflows alongside operational delivery.

Head of Software — Fraim Pty. Ltd.

04/2023 – 08/2024

Melbourne, VIC, Australia

- Led a team of 6 engineers and designers at an AI-powered enterprise product startup.
- Architected the entire backend infrastructure and contributed to frontend and cloud architecture.

- Made the majority of technical decisions and drove the product launch from concept.
- Established hiring, software culture, and development processes; acted as liaison between engineering, design, and operations.
- Stack: GCP, TypeScript, Node, Fastify, tRPC, React Native, Terraform, OpenAI, Azure, Python — monorepo / service-oriented architecture.

Software Engineer — Microsoft

04/2022 – 04/2023

Vancouver, BC, Canada

- Contributed to the Fluid Framework — the framework powering Microsoft's real-time collaboration tools (MS Loop, Live Blocks in Teams and Office).
- Identified critical performance bottlenecks in the framework and developed the performance monitoring test suite.
- Resolved a security issue in the build pipelines.
- Set up BI dashboards and alerts for framework performance.
- Stack: TypeScript, Node, React, Kusto, Aria, PowerBI.

Software Engineer — Seer Medical

07/2020 – 04/2022

Melbourne, VIC, Australia

- Architected serverless cloud solutions for distributed processing of medical-grade data; optimized backend to handle 10x throughput.
- Architected and developed the software for the portable medical device acting as a gateway between wearable sensors and the cloud.
- Developed React Native companion app for patients to manage their wearable medical sensors.
- Wrote QA software and test suite used in the company's in-house manufacturing workshop.
- Set up CI pipelines across multiple projects.

Embedded Software Engineer — Seer Medical

10/2018 – 07/2020

Melbourne, VIC, Australia

- Architected and developed firmware for the company's flagship epilepsy diagnostic wearable device.
- Wrote high-level Python driving the Linux gateway device's backend, communicating with the wearable over the network.
- Involved in taking the device through EMC compliance.
- Coordinated across Electrical Engineering, Industrial Design, Web, and Mobile teams.
- Stack: BLE, WiFi, C, Python, ARM, Assembly; oscilloscopes, logic analyzers, hardware debugging.

SKILLS

Languages & Frameworks: TypeScript, JavaScript, Node.js, Python, C, React, React Native, Expo, Fastify, tRPC

Cloud & Infra: GCP, AWS, Azure, Terraform, Linux, DevOps, CI/CD, monorepos, service-oriented architecture

Data: PostgreSQL, SQL, Kusto

Embedded & Systems: BLE, WiFi, ARM, Assembly, real-time systems, hardware debugging

Leadership: Team building (engineers + designers), hiring, agile delivery, cross-functional coordination, 0-to-1 product launch

EDUCATION

B.Sc. (Hon) Computer Engineering — Izmir Institute of Technology

06/2018

- Graduated with Honors.
- Focus areas: Embedded Systems, AI, Machine Learning, Graphics Programming.
- Co-authored a robotics conference paper; worked at a robotics lab on a medical robotics project during studies.

PUBLICATIONS

- *Design of a Teleoperation Scheme with a Wearable Master for Minimally Invasive Surgery* — Ateş, Majani, Dede. 6th International Workshop on New Trends in Medical and Service Robotics (MESROB 2018).
- *Dynamic Handwritten Digits Dataset: Generation and Analysis* — Izmir Institute of Technology, 2018.

LANGUAGES

English (native), Turkish, Arabic