

Aruna Wickramasinghe

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Professional Summary

Software Engineer with 9+ years in software engineering, specializing in .NET, Angular, Go, and Next.js. I've deployed mobile POS systems for telecoms, led legacy migrations, guided teams building WCAG-compliant applications for a Dutch urban tech firm and am currently leading a team of Nextjs and .Net devs in a fin tech company. As co-founder of ipark.fi, a Finnish EV charging startup, I architect a high-concurrency backend. I combine founder mentality with technical leadership, leveraging AI tools like Cursor, Claude, and Codex to drive architectural excellence and productivity across enterprise and startup environments.

Technical Skills

Languages: TypeScript, JavaScript, Python, Go, SQL, C#

Frontend: React, Nextjs, Angular, Bootstrap, TailwindCSS, PrimeNG, Shadcn

Backend: .NET Core, FastAPI, Supabase, PostgreSQL, MSSQL

Mobile: React Native, Expo, Xamarin.Forms (MAUI)

Cloud & Infrastructure: Azure, AWS, GCP, Vercel, Redis, Docker

Methodologies: Agile Development, CQRS, Full-Stack Development

Experience

Associate Technical Lead, Liquid Labs (Karbon, AU) – Colombo, LK (Remote) Feb 2026 – Present

- Lead full-stack, agentic development of the Karbon platform, turning product goals into shipped features across web and services.
- Drive AI-assisted delivery workflows that shorten feature turnaround and let a lean team ship at senior scale.
- Maintain and evolve interconnected Next.js, Ember, and .NET applications, keeping a multi-framework stack coherent and reliable.

Technical Lead, Gapstars (Progresity, Rotterdam, NL) – Colombo, LK (Remote) May 2022 – Feb 2026

- Led a distributed engineering team building the Progresity platform, owning architecture, code review, and delivery cadence over four years.
- Delivered WCAG 2.1 AA-compliant Angular applications, embedding accessibility into the design system so compliance held as the product scaled.
- Pioneered agentic development workflows through hands-on R&D, then rolled them out across the team to speed up everyday engineering.

Senior Software Engineer, IDS NEXT – Colombo, LK Dec 2019 – May 2022

- Managed migration of a legacy platform to Angular and .NET Core, reducing response times by 40%.
- Developed hotel dashboards using Angular, Bootstrap, and CQRS-based .NET Core services.
- Created coding standards and engineering guidelines; implemented CI/CD pipelines and Azure deployments.

Software Engineer, Zillione – Colombo, LK Oct 2017 – Dec 2019

- Guided a mobile team of 3 developers to build Mobile POS solutions using Xamarin.Forms for a leading telecom provider operating 150+ outlets around the island.
- Developed insurance broker systems using Angular and .NET Core serves 10+ agents.
- Engineered University of Colombo online payment portal using Angular and Semantic UI using.

Projects

iPark (EV Charging Platform) - Architect & Co-Founder (ipark.fi)

Tech Stack: Go, Redis, Supabase, OCPP 1.6, Next.js, Vercel

- Co-founded the company and architected its EV charging management platform (CSMS) end to end, from protocol layer to customer portals.
- Built a fully OCPP 1.6-compliant charging station management system, enabling interoperability with real-world EV charger hardware.
- Engineered a Go backend that reliably handles 1000+ daily charging events, instrumented with OpenTelemetry and Grafana for observability.
- Designed Next.js portals for charger and site management, now piloting with operators in Helsinki and Turku.

CRLO – Vehicle Management App (crlo.cc)

Tech Stack: React Native, Expo, Convex

- Engineered a real-time cross-platform mobile application for vehicle service tracking, reducing friction for collecting and sharing data of vehicles between involved parties.
- Published on App Store and Play Store; supports 150+ active users.

JustInvoice Platform (justinvoice.cc)

Tech Stack: Next.js, Convex, Shadcn and Clerk

- Built an Next.js platform for small businesses and freelancers to manage their invoices, estimates and letters with simple letter head.
- 40+ monthly active users.

Publications

Google Map and Camera Based Fuzzified Adaptive Networked Traffic Light Handling Model

ieeexplore.ieee.org

Developed a fuzzy-logic traffic-light system in Python for dynamic signal control.

Education

Sri Lanka Institute of Information Technology – BSc in IT, Specialized in Software Engineering

Feb 2019

Professional Memberships

Urban Tech Helsinki

Baltic Impact Accelerator

References

Dr. Victor Mukherjee – Product Lead/Senior Technical Specialist | former Principal Engineer, ABB Helsinki

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Dirk Jan van Kessel – Manager Software, Progresity

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