

# Aruna Wickramasinghe

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## Professional Summary

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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

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

Frontend: Angular, React, Nextjs, 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

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

- Developing a fintech application with Nextjs and .Net using AI agents
- R&D for improve code writing skills of AI agents with Skills (.Net/Nextjs)

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

- Developed and maintained WCAG 2.1 AA-compliant Angular applications using PrimeNG and Bootstrap, supporting 5,000+ daily active users.
- Built and optimized responsive Angular apps integrated with RESTful APIs.
- Collaborated with cross-functional teams to improve UX and reduce frontend defects by 25%.
- Architect modular, plug-and-play components enabling scalable feature development with minimal integration changes.
- Lead R&D initiatives for developer tooling and application integrations, improving productivity and API interoperability.

**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

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### **iPark (EV Charging Platform)** - Architect & Co-Founder ([ipark.fi](http://ipark.fi))

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

- Architect and implemented a Central Station Management System (CSMS) enabling real-time charger control, diagnostics, and monitoring.
- Integrated OCPP 1.6 for bidirectional communication with ABB Terra and Keba chargers.
- Built customer/station management portals using Next.js and Supabase; deployed cloud-native infrastructure on Vercel service 25+ users.
- Platform deployed in Helsinki and Turku with 120+ charging sessions monthly.

### **CRLO – Vehicle Management App** ([crlo.cc](http://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](http://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

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

[ieeexplore.ieee.org](http://ieeexplore.ieee.org)

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

## Education

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

Feb 2019

## Professional Memberships

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Urban Tech Helsinki

Baltic Impact Accelerator

## References

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### **Dr. Victor Mukherjee – Principal Engineer, ABB Helsinki**

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### **Dirk Jan van Kessel – Manager Software, Progresity**

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