Aruna Wickramasinghe

arunawickram@gmail.com | +94771603663 | github.com/onlyargon | Linkedin | arunaw

Professional Summary

Colombo-based Tech Lead with 8+ years in software engineering, specializing in .NET, Angular, Go, and Next.js. I've deployed mobile POS systems for telecoms, led legacy migrations, and currently guide teams building WCAG-compliant applications for a Dutch urban tech firm. 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 Gemini to drive architectural excellence and productivity across enterprise and startup environments.

Technical Skills

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, Vercel, Redis, Docker
Methodologies: Agile Development, CQRS, Full-Stack Development

Experience

Technical Lead, Gapstars (Progresity, Rotterdam, NL) – Colombo, LK (Remote)   May 2022 – Present
- Develop and maintain 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

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

Carlo – Vehicle Management App (carlo.argonize.com)
Tech Stack: React Native, Expo, Zustand
- Engineered an offline-first cross-platform mobile application for vehicle service tracking, reducing manual data entry time by 40% for 20+ field technicians.
- Published on App Store and Play Store; supports 150+ active users.

Ceylon Top Guide Platform (ceylontopguide.com)
Tech Stack: Next.js, Supabase, Shadcn and TailwindCSS
- Built an SEO-optimized Next.js (SSR) platform, achieving a 98/100 Lighthouse score and reducing page load times by 40%.

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

Referrences

Dr. Victor Mukherjee – Principal Engineer, ABB Helsinki
Phone: +358 50 3358000 | Email: victor.mukherjee@fi.abb.com

Dirk Jan van Kessel – Manager Software, Progresity
Phone: +94 76 947 5626 | Email: dirkjan.van.kessel@progresity.com