Aruna Wickramasinghe

arunawickram@gmail.com | +358414706245 | github.com/onlyargon | Linkedin | arunaw

Professional Summary

Senior Software Engineer and Technical Lead with 9 years of experience delivering web, mobile, and backend applications. Skilled in C#/.NET, Go, TypeScript, React, Next.js, Angular, and SQL, with experience building REST APIs and microservices. Led distributed engineering teams, owned architecture and code reviews, and improved application performance across enterprise software, public-sector services, and EV charging platforms.

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

Senior Full Stack Engineer, Liquid Labs (Karbon, AU) Feb 2026 – Aug 2026

- Engineered the core admin and settings REST APIs for the Document Management System microservice in C#/.NET within its existing CQRS implementation and a monorepo of 11+ microservices that communicate through RabbitMQ.
- Developed backend features using the existing Microsoft SQL Server, Azure Cosmos DB and Redis caching stack.
- Led the Document Management System team's Next.js implementation during the migration from Ember, extending the shared application started by another team.
- Translated product goals into scoped changes across web applications and backend services. Mentored engineers and owned technical decisions within the team.
- Applied agentic coding workflows to implementation, code review and verification, with direct responsibility for architecture and release decisions.

Senior Software Engineer, Gapstars (Progresity, Rotterdam, NL) 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 Full Stack Engineer, IDS NEXT – Colombo, LK Dec 2019 – May 2022

- Migrated a legacy application using ADO.NET to .NET Core and optimized LINQ queries to improve API performance.
- Optimized core APIs to cut response times by 40%, improving responsiveness for a hotel ERP used by 220+ hotel chains worldwide.
- Developed the Angular dashboard for hotel front-office staff, including reservation calendar development and integration.
- Implemented complex hospitality business logic and third-party integrations to meet the real operational needs of hotel clients.

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 (Dialog) 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

Electric Vehicle Charging platform (ipark.fi) - *Architect & Co-Founder*
Tech Stack: Go, Redis, PostgresSQL, OCPP 1.6, Next.js, Vercel

Developed a Central Station Management System (CSMS) for EV charging networks, focusing on backend architecture and hardware integration. Built with Go, Redis, and Supabase, the system implements OCPP v1.6 for real-time bidirectional communication with EV chargers, enabling remote monitoring, control, and diagnostics. The architecture supports future OCPI integration for roaming platform interoperability.

The cloud-hosted backend includes an OpenAPI-compliant integration suite for secure third-party access. Currently deployed in Helsinki and Turku, Finland, with three OCPP-compliant chargers (ABB Terra and Keba models) processing over 120 sessions monthly.

Built customer and station management portals using Next.js, hosted on Vercel, to complement server-side operations.

CRLO – Vehicle Management App (crlo.cc)
Tech Stack: React Native, Expo, Convex, Clerk, RevenueCat, Sentry

Designed and built a shared vehicle logbook for households, with collaborative garages, service and cost records, document storage, and date or mileage reminders. Its backend owns shared reminder delivery, history, and recipient state instead of delegating business time to one device.

JustInvoice - Simple but powerful invoicing platform (justinvoice.cc)
Tech Stack: Next.js, Convex, Shadcn and Clerk

Designed and shipped an invoicing product for freelancers and small businesses, covering estimates, invoice lifecycle, PDF generation, public share links, and payment status in one Convex-backed system.

Dayfold (dayfold)
Tech Stack: Next.js, React, TypeScript, Convex, MCP, WorkOS

A todo app I built to experiment with MCP and AI agents. People and agents share task lists, with project-level read-only or edit permissions that users can revoke anytime.

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
Lappeenranta University of Technology (LUT) – Master of Science in Software Engineering Aug 2026 - Present

Professional Memberships

Urban Tech Helsinki, Baltic Impact Accelerator