

ARULPRAKASH SUBRAMANIAN

Senior Full-Stack .NET Developer | Microservices & Solution Architecture

Chennai, India | Open to Relocation — UAE (Dubai), Singapore, UK, Europe, North America, Australia | +91 9698194619 | arulprakash.personal@gmail.com
arulprakashsubramanian.com | linkedin.com/in/arulprakash-subramanian-b34606109 | github.com/arulfse2 | 2.5 yrs international onsite (Canada) | Notice: 60 days

PROFESSIONAL SUMMARY

Full Stack Engineer and Technical Lead with 12 years of experience architecting scalable, enterprise-grade systems on ASP.NET Core Web API, Angular, and React.js. Deep expertise in Microservices Architecture, Clean Architecture, and SOLID/CQRS principles, with hands-on experience designing high-performance REST APIs, real-time systems (SignalR), background job/worker services, and data-heavy dashboards (KPIs, charts, filters) processing 50,000+ records daily. Implemented Redis caching to cut database load and improve response times on a large-scale financial platform; actively building Kafka/event-driven messaging knowledge alongside production experience with .NET background workers. Strong track record analyzing business workflows — audit lifecycles, financial forecasting, vendor risk pipelines — and translating them into scalable technical architecture, plus embedding AI-assisted development (Claude Code, GitHub Copilot) into team delivery standards. Seeking a Senior Full-Stack .NET Developer role building CRM and Sales Intelligence platforms in the UAE.

TECHNICAL SKILLS

- **Architecture:** Microservices, Clean Architecture, SOLID/OOP, CQRS, DDD, Solution Architecture, Technical Roadmapping
- **Backend:** .NET Core / ASP.NET Core Web API, C#, .NET 6/7/8, SignalR, Blazor, .NET Background Services / Job-Scheduling Engines, AutoMapper, MediatR
- **Data & Caching:** SQL Server, T-SQL, PL/SQL, Oracle, PostgreSQL, MySQL, SQLite, Redis (caching layer, LBE platform); Query Optimisation, Schema Design
- **Messaging (learning/exploring):** Apache Kafka (event-driven / message-driven architecture, personal projects); production background-worker and job-scheduling design
- **ORM / Data Access:** Entity Framework Core (Code-First & DB-First), NHibernate, LINQ, ADO.NET, Dapper
- **Frontend:** Angular (v12–v17), React.js, TypeScript, JavaScript (ES6+), HTML5/CSS3, Redux Toolkit, TanStack Query, AG Grid (KPI/chart/filter dashboards), Tailwind CSS, PrimeNG, PrimeReact
- **Security:** OAuth 2.0 / OpenID Connect, JWT-based authentication, role-based access control
- **Cloud / DevOps:** AWS (EC2, S3, CodePipeline), Docker, Kubernetes (MKE), GitHub Actions, Azure Pipelines, CI/CD, Zero-Downtime Deployments
- **AI & Tools:** AI-assisted development workflows (Claude Code, GitHub Copilot) for code generation, refactoring, and documentation; OutSystems Low-Code, Postman, Swagger, JIRA, Git, code reviews

PROFESSIONAL EXPERIENCE

Senior Software Engineer – Technical Lead

July 2025 – Present

Cognizant Technology Solutions | Chennai, India

- Technical lead across 3 concurrent Life Sciences programmes (~500 users), owning architecture decisions, engineering standards, and end-to-end delivery — analyzing business workflows and translating them into system design alongside stakeholders.
- Designed microservices architecture using ASP.NET Core Web API with CQRS/MediatR; Angular and React.js frontends with AG Grid for KPI/chart/filter dashboards; Oracle as primary store.
- Reduced security vulnerabilities by 40% by implementing JWT-based authentication and role-based access control — authored the security standards followed by all teams.
- Built a SignalR real-time notification layer and .NET background-worker jobs; restructured SQL Server/Oracle schemas, improving workflow speed by 30%.
- Managed AWS Docker + Kubernetes deployments; maintained 99.9% uptime with zero-downtime releases.
- Championed AI-assisted development (Claude Code, GitHub Copilot) for code generation, test scaffolding, and documentation — adopted as team standard across all programmes.

Senior Software Engineer – Onsite Technical Lead (International Assignment)

Feb 2023 – Jul 2025

Cognizant Technology Solutions | Toronto, Ontario, Canada

- Sole Cognizant engineer onsite in Canada for 2.5 years — single technical point of contact for US/Canadian clients, owning requirements, architecture, escalations, and delivery sign-off with no senior backup.

- Led a platform on ASP.NET Core Web API, Angular and React.js, SQL Server and AWS S3 for ~1,000 regulated users; applied Facade, Adapter, Observer, and Command patterns to decouple services.
- Managed a team of 6 offshore developers: established code-review processes and coding standards — delivery velocity improved 20% in one quarter.
- Reduced release cycle time by 30% by redesigning CI/CD pipelines (GitHub Actions, Azure Pipelines) and moving the team to sprint-based delivery.
- Concurrently led 4 OutSystems application streams (C# logic layers, REST APIs, Oracle backend); primary liaison for executive stakeholders — produced technical roadmaps and PoC demos to secure programme buy-in.

Senior Software Engineer

Jan 2022 – Feb 2023

Cognizant Technology Solutions | Chennai, India

- Built forecasting and reporting tools using ASP.NET Core Web API, Angular and React.js, AWS S3, serving ~300 business users with dashboard-driven reporting.
- Designed the integration layer connecting 3+ upstream systems using ADO.NET and EF Core (Code-First); applied Repository and Unit-of-Work patterns.
- Introduced reusable service and UI component patterns, cutting development time by 15% across two concurrent projects.
- Improved post-release defect rate by 20% through structured xUnit and Jest test coverage at API and frontend layers.

Associate Software Engineer

Apr 2019 – Dec 2021

Cognizant Technology Solutions | Chennai, India

- Full-stack development across multiple programmes: ASP.NET Core, Angular, React.js, Oracle, SQL Server.
- Implemented authentication flows using ASP.NET Identity, JWT, and OAuth 2.0; built reusable UI components adopted across 3 projects.
- Applied Creational patterns (Factory Method, Builder) for service instantiation; used NHibernate for ORM on legacy Oracle schemas. AWS Certified Developer – Associate (2021).

Programmer Analyst

Jul 2016 – Mar 2019

Cognizant Technology Solutions | Chennai, India

- Built ASP.NET MVC and Web API applications with Angular frontends and Oracle / SQL Server backends.
- Extensive T-SQL and PL/SQL work: stored procedures, triggers, schema objects, query optimisation for high-volume data.

Programmer Analyst

Jan 2014 – Jun 2016

Source HOV India Private Limited | Chennai, India

- Built document management applications on ASP.NET Web Forms with SQL Server — foundation in stored procedures, ADO.NET, and production support.

KEY PROJECTS

QUASAR V1.0 and V2.0 – Audit & Reporting System

Team: 8 | Users: 500+ | Duration: 18 Months | Stack: ASP.NET Core Web API · Angular · React.js · AG Grid · Oracle · SQL Server · Docker · Kubernetes · GitHub Actions

- Compliance audit and reporting platform processing 50,000+ records daily from 5+ upstream systems; architect and technical lead from V1.0 through V2.0.
- Applied CQRS, Clean Architecture, and Behavioural patterns (Mediator via MediatR, Observer via SignalR) for maintainability at scale.
- Designed and built an embeddable job-scheduling engine from scratch using .NET Background Services and a Blazor admin dashboard, supporting 5 database providers with plug-and-play integration — directly transferable to message-broker/worker-based architectures.
- Reduced manual audit effort by 35%. Zero-downtime deployments across all environments via Docker + Kubernetes CI/CD.

Third-Party Security Evaluation · Budget Estimation (LBE) · Clinical Forecasting (CPF)

Teams: 5–7 per stream | Stack: OutSystems · C# · ASP.NET Core Web API · Angular · Oracle · SQL Server · Redis · AWS

- Vendor risk platform for 200+ global suppliers with zero critical incidents post-launch; multi-year financial budget tool (LBE) handling large datasets; clinical forecasting dashboard across 20+ programmes.
- Implemented a Redis caching layer on the Budget Estimation (LBE) platform to reduce database load and cut response times for large, dashboard-driven financial datasets.
- Led proof-of-concept phases for each stream, analyzing business requirements and presenting architectural recommendations to client executives before full-build approval.

EDUCATION & CERTIFICATIONS

- Master of Computer Applications (MCA) – SRM University, Tamil Nadu | 2013
- Bachelor of Science – Computer Science – Periyar University, Tamil Nadu | 2010
- AWS Certified Developer – Associate – 2021 | Renewal in progress; targeting Solutions Architect Associate
- FSE Engineer Certification – Cognizant Technology Solutions

ADDITIONAL

- Languages: English (professional), Tamil (native)
- International experience: 2.5 years onsite, Toronto, Canada (Feb 2023 – Jul 2025) — sole Cognizant engineer for US and Canadian clients
- Relocation: Open to relocation worldwide — UAE (Dubai priority), Singapore, UK, Europe, North America, and Australia
- Notice period: 60 days | Employer sponsorship / work visa required
- Currently learning: Apache Kafka (event-driven/message-driven architecture), Python, Rust, Go; Next.js, cloud-native architecture patterns