

Rahul Muthusamy

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Professional Summary

7+ years of full-stack development experience with expertise in Angular, Node.js, .NET Core, and SQL Server. Proven track record in delivering scalable web applications for healthcare and child welfare domains. Adept in agile methodologies, system design, and cross-functional leadership.

Technical Skills

Programming Languages: C#, Java, JavaScript, TypeScript, SQL

Frameworks & Libraries: .NET Core, Angular, AngularJS, Node.js, Spring Boot, Entity Framework, LINQ

Database: SQL Server

Tools: Visual Studio, VS Code, Eclipse, SSMS

Others: Git, Putty, Terminus

Professional Experience

- **QubeRoot Analytics LLP** — Manager - Enterprise Applications (Feb 2022 – Present)
- **Quest Global** — Senior Software Engineer (Aug 2021 – Feb 2022)
- **QubeRoot Analytics LLP** — Software Engineer (Apr 2021 – Aug 2021)
- **Appsure Technologies Pvt. Ltd.** — Software Developer (Jan 2018 – Apr 2021)

Project Experience

Circle of Support (COS)

Duration: Mar 2024 – Present | **Tech Stack:** Angular, Node.js, Express.js, Sequelize ORM, SQL Server, HTML, Bootstrap, ng2-charts

Description: A case management platform designed to support youth in foster care with life skills planning, judicial tracking, education and health records, and community support systems.

Roles & Responsibilities:

- Designed dynamic form modules using Angular with conditional inputs and validations
- Integrated SQL Server through Sequelize ORM with Node.js backend for RESTful services
- Implemented role-based access control and modular data handling
- Built dashboards with ng2-charts for visual analytics
- Worked closely with US-based clients to deliver sprint-based milestones

Child Welfare Management System (CWMS)

Duration: Feb 2022 – Present | **Tech Stack:** Angular, Node.js, Express.js, Sequelize ORM, SQL Server, HTML, Bootstrap

Description: An enterprise-grade case management system built for US-based foster care agencies to streamline and digitize child welfare services.

Roles & Responsibilities:

- Led end-to-end development using Angular and Node.js with Sequelize ORM for API development
- Designed scalable modules for placement, case tracking, and provider workflows
- Implemented role-based access controls and authentication mechanisms
- Developed optimized SQL procedures for complex reporting and finance reconciliation
- Created dynamic forms and reusable UI components using Bootstrap and Angular
- Set up CI/CD pipelines using GitLab, deployed on staging/production using NGINX and custom DevOps scripts

Empower HMS (Hospital Management System)

Duration: June 2016 to 2021 | **Tech Stack:** AngularJS, ASP.NET with C#, Web API 2.0, SQL Server 2016, Identity Server 3.0

Description: Software designed for hospitals and clinics to manage Inpatients, Outpatients, and Emergency services. Includes features like patient login, doctor login, appointment booking, email/SMS service, and health record management.

Roles & Responsibilities:

- Analyzed the requirements of new enhancements
- Worked as both Frontend & Backend developer
- Estimated the effort needed for each client requirement
- Developed code and unit tested the changes
- Created SQL procedures, functions, and new tables
- Handled production problem tickets
- Implemented third-party services
- Created reusable AngularJS directives

Education

B.E. in Mechatronics Engineering, Maharaja Engineering College, 2016 — 65%

Personal Details

Date of Birth: 31 July 1995

Languages: English, Tamil

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