

Sameera Roshan Dias

Software Engineer

+94 76 1140 025 · sameeradias98@gmail.com · sameeradias.site · linkedin.com/in/sameera-dias-387943110 · github.com/sameeradias
Madiwela, Kotte, Sri Lanka

PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience designing, building, and deploying production-grade full-stack web applications, SaaS platforms, and enterprise ERP systems. Proficient in .NET Core (C#), React.js, Next.js, TypeScript, and PostgreSQL, with strong DevOps experience across Docker, GitHub Actions CI/CD, and AWS cloud infrastructure. Experienced working in Agile teams, conducting code reviews, mentoring peers, and owning features end to end from specification through production. A fast-adapting, detail-oriented engineer who writes clean, maintainable code and is motivated by solving real problems that matter.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript (ES6+), Python, Java, Dart

Frontend: React.js, Next.js, Angular, HTML5, CSS3, Bootstrap, Redux Toolkit, TanStack, Axios

Backend & APIs: ASP.NET Core (.NET 8/10), Entity Framework Core, Dapper, Node.js, NestJS, REST API Design, SignalR

Databases: PostgreSQL, Microsoft SQL Server, MongoDB, Firebase — relational & document models

Cloud & DevOps: AWS EC2, ECR, S3 · Docker, Docker Compose · GitHub Actions, GitLab CI/CD · Linux

Architecture: Multi-tenant SaaS, Clean Architecture, Domain-Driven Design, Microservices, API Gateway

Security & Auth: JWT, OAuth, OTP Verification, Role-Based Access Control (RBAC), Keycloak (familiar)

AI Dev Tools: GitHub Copilot, Claude (Anthropic), Cursor — daily use in production workflows

Testing & Practices: Jest, Unit & Integration Testing, Code Reviews, Agile/Scrum, Technical Documentation

Mobile: React Native, Flutter

PROFESSIONAL EXPERIENCE

Software Engineer | DevX Technologies Pvt. Ltd.

Apr 2025 – Present

- Architect and develop a multi-tenant SaaS ERP platform spanning 6 distributed microservices and 18+ enterprise business modules — Sales, Inventory, Accounting, Payroll, CRM, POS, and Logistics.
- Build scalable ASP.NET Core (.NET 10) backend APIs using clean architecture and domain-driven design, with EF Core and Dapper for SQL data access across tenant-isolated PostgreSQL schemas.
- Develop responsive React.js / Next.js / TypeScript frontends with Redux Toolkit state management and Axios API integration, from design specifications through to production deployment.
- Implement secure authentication: JWT, OTP verification, RBAC, password reset, and email verification flows across all platform services.
- Design and manage CI/CD pipelines (GitHub Actions + Docker + AWS ECR/EC2) with branch-based promotion across dev, QA, and production — including multi-stage Dockerfiles that reduced image sizes by up to 90%.
- Conduct code reviews, enforce coding standards, mentor junior engineers, and collaborate with product owners in Agile sprints to deliver features end to end.
- Leverage AI coding assistants (GitHub Copilot, Claude, Cursor) in production workflows to accelerate delivery while maintaining architectural quality and review standards.

Tech: ASP.NET Core, C#, EF Core, Dapper, React.js, Next.js, TypeScript, Redux Toolkit, Axios, PostgreSQL, Docker, AWS, GitHub Actions, SignalR

Associate Software Engineer | Echonlabs Pvt. Ltd.

Mar 2024 – Apr 2025

- Built and maintained enterprise SaaS web applications using Angular/TypeScript (frontend) and NestJS/Node.js (backend) for financial payment workflows and reporting.
- Designed and optimised RESTful APIs and database queries — delivering a 50% improvement in reporting pipeline performance.
- Wrote unit and integration tests with Jest; participated in code reviews and Agile sprint ceremonies.
- Managed CI/CD deployments through GitLab pipelines across staging and production environments.

Tech: Angular, TypeScript, NestJS, Node.js, MongoDB, PostgreSQL, Jest, GitLab CI/CD, Docker

Trainee Software Developer | Echonlabs Pvt. Ltd.

Feb 2023 – Mar 2024

- Contributed to enterprise finance application development — backend APIs, frontend enhancements, debugging, and production issue resolution under senior supervision.
- Participated in requirement gathering, FRS documentation, UAT, and Agile sprint planning.

Trainee Mobile Software Engineer | *DevX Technologies Pvt. Ltd.*

Aug 2022 – Jan 2023

- Built Flutter and React Native mobile applications with RESTful API integrations, Firebase Authentication, and secure payment processing.

SELECTED PROJECTS

Multi-Tenant SaaS ERP Platform

Stack: ASP.NET Core, C#, EF Core, React.js, Next.js, TypeScript, Redux Toolkit, PostgreSQL, Docker, AWS, GitHub Actions

- End-to-end architecture and delivery of a 6-service enterprise ERP — proxy API gateway, tenant-specific PostgreSQL shard routing, shared domain event contracts, and full CI/CD automation.
- Built 18+ domain modules with RBAC, JWT auth, SignalR real-time notifications, PDF/barcode generation, and background job processing.
- Multi-stage Docker builds reduced image sizes by 90%; branch-based pipelines automated deploy, rollback, and cleanup across all environments.

ChatC — AI-Powered Product Assistant (RAG + LLM)

Stack: ASP.NET Core, OpenAI APIs, TypeScript, WordPress/PHP

- Designed a RAG-based AI chatbot for WooCommerce: embedding pipeline, vector retrieval, .NET Web API backend, and a custom WordPress plugin with floating chat widget.

TaxFriend ERP — Finance & Tax Workflow Platform

Stack: Next.js, ASP.NET Core, React Native, PostgreSQL, SignalR

- Full-stack web and mobile platform for tax workflow management — appointment scheduling, live chat, payment processing, and client-advisor workflows.

CRM Builder — Visual Drag-and-Drop Application

Stack: Next.js, TypeScript, MongoDB, Zustand, Docker

- Modular drag-and-drop CRM application builder with REST API integrations, JWT/OAuth authentication, and webhook support.

EDUCATION

BSc in Applied Sciences (Computer Science, Physics, Chemistry)

Rajarata University of Sri Lanka 2021 – 2024

EXTRACURRICULAR ACTIVITIES

Chairperson, IEEE Student Branch 2023 – 2024

Vice Chairperson, IEEE Student Branch 2022 – 2023

LANGUAGES

Sinhala — Native | **English** — Professional Working Proficiency

REFERENCES

Mr. Sampath Sandaruwan — *Associate Tech Lead, 99x* | Tel: 077 4471 293 | Email: sampaths@99x.io

Mr. Vishwajith Weerasinghe — *Senior Software Engineer, DevX Technologies* | Tel: 076 2646 098 | Email: vishwajith@devxtechnologies.com