Saranga B

Senior Software Engineer (Full Stack) — Nagarro

https://saranga.dev | bsaranga@gmail.com | +94 77 500 8271
40/16, Prime Villas 1, Abeyratne Mw, Boralesgamuwa, Sri Lanka

About

Senior Full Stack Developer with 6 years of proven expertise in designing, developing, and delivering scalable software solutions using .NET Core, React, and Azure Cloud Platform. Skilled technical leader adept at managing high-performing teams, enforcing coding standards, and driving Agile best practices. Strong communicator with a language-agnostic mindset and a passion for quality, continuous improvement, and client satisfaction.

Technical Skills

- **Languages:** C#, TypeScript, JavaScript, SQL (T-SQL, P-SQL)
- **Frameworks & Technologies:** .NET Core, ASP.NET Core, React, Angular, RESTful APIs, Entity Framework
- **Databases:** MS SQL Server, PostgreSQL, MongoDB
- **Cloud & DevOps:** Azure, Azure DevOps, GitHub Actions, Terraform, CI/CD pipelines
- **Testing & Methodologies:** NUnit, Test Driven Development (TDD), Agile (Scrum, Kanban)
- **Others:** Microservices architecture, Docker, Kubernetes, SignalR, RabbitMQ

Professional Experience

Nagarro, Sri Lanka — Senior Engineer (Full Stack)
Dec 2023 – Present

- Spearheaded the migration of legacy ASP.NET Core applications to scalable microservices architecture using .NET 8+ and Azure infrastructure, improving maintainability and resilience.
- Led modernization of SPAs from Knockout.js to React, delivering improved performance and user experience aligned with client needs.
- Implemented Infrastructure as Code (Terraform) and automated CI/CD pipelines (GitHub Actions, Azure DevOps) ensuring seamless and reliable deployments.

Zone24x7, Sri Lanka — Software Engineer (Full Stack)
Feb 2020 – Dec 2023

- Led Angular application upgrade projects, resolving compatibility issues and optimizing performance for enterprise-grade web apps.
- Developed scalable real-time data processing tools leveraging Hangfire, SignalR, and RabbitMQ supporting robust distributed systems.
- Designed and automated Postman test suites and integrated testing workflows, reducing QA effort by 30% and reinforcing code quality.

Freelance Software Engineer, Sri Lanka
Jan 2018 – Feb 2020

- Delivered custom software tools for 2D/3D content creation and motion graphics plugins, applying strong problem-solving and software design skills.
- Developed reusable middleware components for security and performance, demonstrating adaptability across multiple programming languages and frameworks.

Education

- **B.Sc (Hons) Computer Science**, Kingston University, UK — 2020-2023
  Graduated with Second Class Honours; specialized in software engineering and scalable web application development.
- **Software Engineering Bootcamp Certification**, SLTC, Sri Lanka — 2019-2020
  Intensive full-stack development program emphasizing modern front-end and back-end technologies.

Continuous Education & Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900) – Microsoft / Pearson
- Mathematics for Machine Learning – Deeplearning.ai / Coursera
- Cryptography and Information Theory – University of Colorado / Coursera
- Introduction to CS and Programming Using Python – MITx / EdX

Selected Projects & Contributions

- **Payload Injection Filter:** Developed reusable ASP.NET Core middleware to detect and block malicious requests via regex filtering. GitHub
- **LearnTree AI:** Built a generative AI app for interactive knowledge graphs, demonstrating innovation in AI and UX. Website
- Contributor to **Product Engineering Manifesto**, promoting high-quality, collaborative software engineering practices. Repository

References

- **Azmeer Mohammed** — Head, Department of Multimedia (SLTC)
  azmeerm@gmail.com | +94 77 734 8691
- **Chathuranga Wijeratna** — Director of Technology (Nagarro)
  cwijeratna@yahoo.com
- **Chathuranganie Pathirage** — Associate Software Architect (Zone24x7)
  chathu03j@yahoo.com | +94 77 906 9494