



# Saranga B

Senior Software Engineer (Full Stack) — Nagarro

<https://saranga.dev> | [bsaranga@gmail.com](mailto:bsaranga@gmail.com) | +94 77 500 8271

40/16, Prime Villas 1, Abeyratne Mw, Boralesgamuwa, Sri Lanka

## About

Highly skilled **Senior Full Stack Developer** with 6+ years of professional experience specializing in **.NET Core** and **React**. Proven expertise in leading teams to deliver scalable, high-quality web applications and RESTful APIs on Azure cloud platforms. Strong advocate of agile methodologies, test-driven development, and continuous integration/delivery pipelines. Adept at bridging technical solutions with client requirements, fostering collaboration, and driving product excellence.

## Technical Skills

### Programming & Frameworks

- **C#, TypeScript, JavaScript, Python**
- .NET Core, ASP.NET Core, React.js, Angular, RESTful APIs, Entity Framework

### Cloud & Infrastructure

- Microsoft Azure (infrastructure provisioning with Terraform, Azure DevOps CI/CD pipelines)
- Docker, Kubernetes, GitHub Actions

### Databases & Messaging

- MS SQL Server, PostgreSQL, MongoDB
- RabbitMQ, SignalR

### Development Practices

- Agile (Scrum, Kanban), Test Driven Development (TDD), NUnit unit testing
- API design & integration, Microservices architectures

## Professional Experience

### Nagarro, Sri Lanka — Senior Engineer (Full Stack)

Dec 2023 – Present

- Spearheaded migration of legacy ASP.NET Core applications to scalable microservices architecture (.NET 8+), enhancing system resilience and maintainability.
- Led modernization of legacy Single Page Applications using React.js, significantly improving UI performance and developer productivity.
- Automated Azure infrastructure deployments using Terraform and established robust CI/CD pipelines incorporating GitHub Actions and Azure DevOps for seamless delivery.

### Zone24x7, Sri Lanka — Software Engineer (Full Stack)

Feb 2020 – Dec 2023

- Architected and implemented a real-time ETL system leveraging Hangfire and SignalR, boosting data processing efficiency and system responsiveness.
- Directed Angular migration to latest frameworks version, resolving complex compatibility challenges and improving application stability.

- Developed an automated Postman testing suite and optimized JavaScript bundles, reducing QA time and front-end asset size by 50%.

### Freelance Software Engineer, Sri Lanka

Jan 2018 – Feb 2020

- Built Python and MEL-based tools for 2D/3D content creation and developed After Effects plugins, showcasing adaptability to diverse technology stacks.
- Developed advanced particle simulation modules that enhanced visual effects quality in motion graphics projects.

## Education

- **B.Sc (Hons) in Computer Science**, Kingston University, UK (2020–2023)  
Specialized in software engineering and web development, graduated with Second Class Honours.
- **Software Engineering Bootcamp Certification**, SLTC, Sri Lanka (2019–2020)  
Intensive full-stack development training under SLASSCOM, covering front-end and back-end technologies.
- Secondary School Completion, Colombo South International College, Sri Lanka

## Continuous Education & Certifications

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

## Selected Projects

- [Payload Injection Filter](#) – Developed an ASP.NET Core reusable middleware to short-circuit malicious requests for enhanced security.
- [LearnTree AI](#) – Created a generative AI app for building interactive, human-readable knowledge graphs.
- Contributor to the [Product Engineering Manifesto](#), promoting quality and collaborative product development principles.

## References

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