

Achchuthan Seetharan

MSc, PGDip, BSc (Hons), MCSSL

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Available immediately

Professional Profile

Software engineer with 9+ years' experience building and optimising .NET web, API and desktop applications across banking, aerospace and government tax systems in Sri Lanka and Singapore. Strong in ASP.NET Core, SQL databases and web performance tuning, with hands-on Linux server and deployment experience. Completed an MSc in Advanced Computer Science with distinction at the University of Hertfordshire, including original research on multi-agent LLM systems. Seeking a software engineer / .NET developer role in the UK.

Technical Skills

Area	Skills
Languages	C#, VB.NET, JavaScript, CSS, SQL, PHP, Python, shell scripting
Back end	ASP.NET Core, Web APIs, Entity Framework, CQRS, Laravel, JWT authentication, Azure AD
Front end	Blazor, Bootstrap, Telerik UI, Crystal Reports
Databases	Microsoft SQL Server, MySQL, Oracle
Platforms and DevOps	Linux (RHEL), server administration and backups, IBM Cloud, OutSystems
Tools	Git, Team Foundation Server (TFS), SVN
AI and data	LLM pipelines (LangGraph), Streamlit, statistical evaluation and benchmarking

Professional Experience

Senior Software Engineer | Warrantysoft, Sri Lanka | Jan 2025 – Aug 2025

- Administered Linux-based servers and designed the backup server setup, keeping production systems stable and recoverable.
- Diagnosed and fixed faults in web applications deployed on Linux infrastructure, working across application code and server configuration.

Freelance Software Consultant | ThuliSoft, Sri Lanka | Oct 2022 – Dec 2024

- Designed, built and delivered .NET-based applications for multiple clients, taking requirements through to working solutions.
- Managed client relationships and delivery independently, from scoping to hand-over.

Analyst Programmer | Inland Revenue Authority of Singapore (IRAS), Singapore | Apr 2022 – Sep 2022

- Analysed and optimised the performance of the national myTax portal, identifying bottlenecks and applying targeted fixes.
- Improved user experience and overall system efficiency for a public-facing government service.

Senior Software Engineer | ST Engineering Aerospace, Singapore | Jul 2020 – Apr 2022

- Developed and maintained business applications, delivering new features in response to changing needs.
- Worked with stakeholders to gather requirements and refine solutions before and during delivery.

Programmer | T-Bop, Singapore and Indonesia | Sep 2019 – Jul 2020

- Maintained client applications and delivered new features to agreed requirements.
- Carried out software testing and quality assurance to keep releases reliable.

Software Engineer | HDFC Bank, Sri Lanka | Jul 2016 – Jul 2019

- Developed standalone, web and mobile applications for a banking environment.
- Integrated new software with existing bank systems to improve interoperability.

Education

MSc Advanced Computer Science · Distinction · University of Hertfordshire, UK · 2027

MSc dissertation: Quantifying Semantic Drift and Hallucination Accumulation in Sequential Multi-Agent LLM Architectures

- Built a Python/Streamlit experimental framework with a LangGraph pipeline to measure how meaning degrades as text passes through chained LLM agents.
- Ran a 3×3 factorial experiment (pipeline depth × temperature) on SQuAD v2.0 using official EM/F1 metrics, six custom drift and fabrication measures, and bootstrap confidence intervals.
- Used two different model architectures as independent raters and reported Cohen's κ ; backed the code with 26 unit tests and fully reproducible, seeded runs.
- Found a clear depth effect on recall loss and a temperature threshold effect at $T=0.9$; presented the work in a live demonstration and viva.

PgD Information Management · Sri Lanka Institute of Information Technology · 2017

BSc (Hons) Information Technology · Sri Lanka Institute of Information Technology · 2014

Professional Membership

Member, Computer Society of Sri Lanka (MCSSL)

References available on request.