

Sampath Thennakoon

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SOFTWARE ENGINEER / SENIOR TECH LEAD

Seasoned lead software engineer with over 12 years of comprehensive industry experience across various technology stacks, including Java, Python, Node JS, C#.Net, Spring Boot, jQuery, React JS, Kubernetes, Docker, and AWS. Expert in backend development, agile methodologies, and the maintenance of essential systems. Distinguished for architecting and deploying high-availability infrastructures, streamlining CI/CD pipelines, and strengthening security protocols. Exceptional communicator with a keen enthusiasm for adopting and mastering cutting-edge technologies and industry best practices. Passionate about data analysis, machine learning, and artificial neural networks while applying these skills to form innovative and global impactful applications while consistently meeting client requirements and industry standards.

STRENGTHS AND EXPERTISE

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|------------|-------------|---------------|---------------|---------------------|-------------|------------|
| Java 17 | Spring Boot | MySQL DB | Redis | JPA / Hibernate | AWS S3 | Kafka |
| Java EE | Spring MVC | Oracle DB | EH Cache | MyBatis | AWS Cognito | Mockito |
| Node JS | Tomcat | Mongo DB | API Gateway | SOAP/REST | AWS Lambda | TDD |
| Python | JBoss EAP | PostgreSQL | Eureka / Zuul | FastAPI | AWS SNS | JEST |
| TypeScript | Gradle | MS SQL Server | GIT | Jenkins | AWS SES | JUNIT |
| C#.Net | Maven | Cassandra DB | SVN | Docker / Kubernetes | AWS SQS | JavaScript |

ADDITIONAL EXPOSURE TO

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|-------------|---------------|---------------|-----------------|------------------|----------------|-----------|
| MATLAB | New Relic | Liferay CMS | Jasper Server | Visualize JS | Firebase | JMeter |
| Nest JS | Grafana | Directus CMS | Jasper Report | MS IIS | Git Actions | AGILE |
| React JS | Kibana | Openbravo ERP | KNIME Analytics | Node Server | TensorFlow | SCRUM |
| Angular JS | Logstash | PostgreSQL | Rapid Minor | NorthText APIs | Pytorch | ZAP |
| BackboneJS | Elasticsearch | MS SQL Server | D3 / C3 JS | Google Maps APIs | Jira | SONAR |
| HandlebarJS | Glowroot | Cassandra DB | Hubzilla Social | TrustYou API | Asana | BITBUCKET |
| WPF | Quartz | SECURE CODING | Elasticsearch | Scikit-Learn | Pandas / NumPy | iText |

PROFESSIONAL EXPERIENCE

Aeturnum Inc.

Tech Lead / Senior Tech Lead

Retail Platform

- Orchestrated establishing a high-performing development team in Sri Lanka for Retail applications, collaborating with cross-functional teams, including Engineering Leads and Senior Engineers; facilitated seamless business platform setup and integration.
- Led the strategic alignment and coordination between product and engineering teams in Sri Lanka and the US, engaging with key stakeholders such as Product Owners and Project Managers; pivotal in successfully initiating a robust business platform for Retail applications.
- Promoted continuous iteration of development and testing throughout SDLC in collaboration with 30+ cross-functional team members and drove consistent standards and approaches.
- Created innovative features in the e-commerce platform that enabled 10+ new pharmaceutical brokers to register with the platform while increasing the revenue by 20%.
- Involved with standardizing the team workflows by implementing agile methodologies and daily stand-ups, resulting in a 50% increase in project completion rates and a 20% reduction in delivery time.
- Monitor and optimize backend performance, identifying and resolving bottlenecks and ensuring high availability and uptime.

E-Commerce – Pharmaceutical Domain

January 2022 - Present

University of Moratuwa - MSc. In Computer Science Sp. Data Science

Researcher

Vision-based Analytics Platform

- Designed and developed the master's research project and collaborated with the project supervisors.

Vision-Based Analytics Domain

April 2021 - December 2021

Zone24x7 Inc.**Retail, Apparel and Telco Domains****Associate Technical Lead****May 2019 - March 2021****Kohl's machine learning shopping intent, Zone Inventory Management System, Device monitoring platform, Brandix data migration middleware, Covid19 Goods2U & SafeTrack Platforms, Circlelife Telco Platform**

- Contributed to leading and managing the team, including back-end development, technical recruitments, appraisals, meetings, identifying training needs, motivating and managing team performance.
- Keep the project up to date with the latest software development technologies and methodologies.
- Developed the base layer, core features, and significant product functionalities using Java, Spring Boot, and NodeJS.
- Facilitated technology and methodology decision-making throughout the team, including system architecture, reusable code base development, versions of software tools, best practices, source control, and deployment processes.
- Designed and built database schemas with integrity and scalability with data access layers optimized for performance and security.

Cinglevue International Inc.**Education Domain****Senior Developer****November 2017 - May 2019****Virtuoso Educational System, Virtuoso ERP**

- Designed the reporting base layer, core features, and significant product functionalities using Java, Spring Boot, and Open Bravo ERP.
- Conducted research, developed, and tested technologies before adapting them to the platform.
- Arranged the technical documents for educational products.
- Prepared the product migration plan for existing Oracle-based products to Java and Spring boot services.
- Took ownership of building a complete reporting service for the platform.
- Resolved bugs while troubleshooting technical issues.
- Created a framework of technical standards and procedures.
- Analyzed existing operations and scheduled training sessions and meetings to discuss improvements.
- Initiated with test case designing and maintaining high test case coverage (85%) across the platform.
- Mentored the junior developers and guided them throughout the project.

Intervest Software Technologies Pvt Ltd.**Insurance Domain****Senior Software Engineer****January 2015 - November 2017****Software Engineer****November 2011 – December 2014****Staysure Travel Insurance, Staysure Home Insurance, Avanti Travel Insurance**

- Processed back-end and front-end development of new features, maintained the existing insurance platforms and gained wide-ranging experience in JEE, core Java, and Spring Core/Spring MVC (3.2). Engineered dynamic web pages with JSP, JSTL, EL, and Scriptlets.
- Utilized development tools: IntelliJ IDEA, Eclipse, Memory Analyzer Tool (MAT), NetBeans; high exposure to source-control systems GIT / CVS in managing and merging branches. Vast exposure to software designing methods: Formed ER, Class and Sequence Diagrams, other UML diagrams, etc.
- Provided technical support on setting up the organizational development environment and production deployments.
- Collaborated in all stages of software development while providing technical support and guidance to team members; routinely undertook code reviews.
- Worked on the entire stack of applications: data modelling, databases, business logic, front-end development, and UIs.
- Produced thorough documentation for the design and development work undertaken, incl. change control and testing guidelines—hands-on experience in Agile Software development practices, SCRUM, Sprint-based development, and tools such as JIRA.
- Contributed efforts to product documentation and training of the employees and on-site clients.
- Identified patterns in customer complaints by keeping accurate records of technical support issues, helping to generate 50+ solutions for future improvements.

IFS R&D International (Pvt) Ltd, Sri Lanka

Trainee Software Engineer - Internship

IFS Human Resource Management System

- Development of the client-server application for the human resource department.
- Liaised with requirements analysis, design, and implementation.
- Initiated the technical documentation and writing of user manuals.

Human Resource Domain

August 2010 - December 2010

ITO2 Labs Sri Lanka

Freelance Developer

CRM + Telecommunication + Solar Energy System

- Customized system development by using Agile Software Development.
- Proceed with customer-centric new application feature development.
- Provided client support and troubleshoot technical issues.

Telco Domain

March 2016 - May 2017

TERTIARY QUALIFICATIONS

01/2020 – 12/2023

Master of Science in Computer Science Sp. In Data Science
University of Moratuwa, Sri Lanka

08/2008 – 12/2011

Bachelor of Science in Management & Information Technology
University of Kelaniya, Sri Lanka

PROFESSIONAL AND OTHER CERTIFICATIONS

- LinkedIn Certifications (15+)
 - ETL and ELT in PostgreSQL – 2024 July
 - Apache Flink: Real-Time Data Engineering – 2024 June
 - Extending, Securing, and Dockerizing Spring Boot Microservices – 2024 March
 - Prompt Engineering: How to Talk to the AIs – 2024 March
 - Building High-Throughput Data Microservices – 2024 February
 - Java Memory Management: Garbage Collection, JVM Tuning, and Spotting Memory Leaks – 2024 February
 - Performance Tuning in Spring Apps Performance tuning in Spring – 2024 February
- Udemy Certifications (5+)
 - Software Architecture & Design of Modern Large-Scale Systems – 2024 March
 - Java Application Performance Tuning and Memory Management – 2024 January
 - PyTorch for Deep Learning and Computer Vision – 2023 September
- Coursera Certifications (10+)
 - Amazon Web Services AWS Cloud Technical Essentials - 2022 February
 - Introduction to Machine Learning in Production – 2022 January
 - Coursera - Deep Learning Specialization – 2021 September
- Sun Certified Java Programmer 6 (SCJP 310-065) - Sun, License 11/05 SW409182

LANGUAGE PROFICIENCY

English - **B2 Level (IELTS)**

German - **B1 Level (Institut-Zertifikat B1)**

Sinhala - **Native**

ACTIVITIES AND INTERESTS

Photography, Voluntary Social Engagements, Music, Chess, Table Tennis, Tennis, Blogging

OTHER REFERENCES

GitHub

<https://github.com/sampathsl>

Portfolio

<https://sampathsl.github.io>

Blog

<https://medium.com/@sampathsl>

Sampath Thennakoon
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