

# Sampath Thennakoon

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## SOFTWARE ENGINEER / TECHNICAL LEAD

Seasoned software engineer with over 12 years of comprehensive industry experience across various technology stacks, including Java, Spring Boot, React JS, Angular 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.

## STRENGTHS AND EXPERTISE

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

## ADDITIONAL EXPOSURE TO

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

## PROFESSIONAL EXPERIENCE

### Aeturnum Inc.

#### Technical Lead

#### Pharmaceutical Retail Platform

### E-Commerce – Pharmaceutical Domain

January 2022 - Present

- Formed a specialized development team in Sri Lanka focused on retail applications; coordinated efforts with U.S. and Sri Lankan engineering and product leaders, achieving a 50% enhancement in initial business platform setup time.
- Promoted continuous iteration of development and testing throughout SDLC in collaboration with 30+ cross-functional team members and drove consistent standards and approaches.
- Took part in developing new product features and bug fixes on sprint boot applications.
- Implemented new API endpoints using multiple Spring Boot microservices; consumed external services.
- 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%.
- Reviewed project progress and overview of the performance of all team members.
- 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.

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

#### Researcher

#### Vision-based Analytics Platform

### Vision-Based Analytics Domain

April 2021 - December 2021

- Invented and development of the master's research project.
- Collaborated with the project supervisors and enhancements to the research project.

**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 up to date with the latest software development technologies and methodologies.
- Developed 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****May 2019 - March 2021****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 modeling, 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 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**

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## **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

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## **PROFESSIONAL AND OTHER CERTIFICATIONS**

- **LinkedIn Certifications**
  - Extending, Securing, and Dockerizing Spring Boot Microservices – 2024 March
  - Prompt Engineering: How to Talk to the AIs – 2024 March
  - Software Architecture Foundations – 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
  - Software Architecture: From Developer to Architect – 2024 February
- **Udemy Certifications**
  - 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
  - PyTorch for Deep Learning with Python Bootcamp – 2023 September
- **Coursera Certifications**
  - Amazon Web Services AWS Cloud Technical Essentials - 2022 February
  - Introduction to Machine Learning in Production – 2022 January
  - Coursera - Deep Learning Specialization – 2021 September
- **Amazon Web Services (AWS) 101**
- **Sun Certified Java Programmer 6 (SCJP 310-065) - Sun, License 11/05 SW409182**

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## **LANGUAGE PROFICIENCY**

<b>English</b>	B2 Level (IELTS)
<b>German</b>	B1 Level (Institut-Zertifikat B1)

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## **ACTIVITIES AND INTERESTS**

Photography, Voluntary Social Engagements, Music, Table Tennis, Tennis, Blogging, Research and Development, Yoga

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## **OTHER REFERENCES**

<b>GitHub</b>	<a href="https://github.com/sampathsl">https://github.com/sampathsl</a>
<b>Portfolio</b>	<a href="https://sampathsl.github.io">https://sampathsl.github.io</a>
<b>Blog</b>	<a href="https://medium.com/@sampathsl">https://medium.com/@sampathsl</a>

Sampath Thennakoon  
24.05.2024