

# Randika Navagamuwa

Solutions Architect

## PERSONAL DETAILS

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## CAREER PROFILE

Results-driven Solutions Architect with 7 years of hands-on experience in computer science and engineering. Recognized for expertise in designing and developing fault-tolerant programs tailored for large enterprises, including Fortune 500 companies. Currently contributing to StarTree Inc., specializing in empowering enterprise clients through the implementation of Apache Pinot, a real-time analytical database.

## KEY COMPETENCIES

- **Software Architecture:** Proven track record in crafting robust, fault-tolerant software solutions for diverse enterprise needs.
- **Technical Proficiency:** Demonstrated skills in advanced object-oriented programming, sophisticated data structures, algorithms, and adeptness in sales processes.
- **Methodologies:** Well-versed in both waterfall and agile methodologies, showcasing adaptability to varied work environments.
- **Continuous Learning:** Inherent passion for staying at the forefront of emerging technologies, coupled with an eagerness to tackle challenging tasks in both independent and team-oriented work settings.

## PROFESSIONAL EXPERIENCE

05/2022 - Present

### Solutions Architect

StarTree inc

As a pivotal member of StarTree Inc., a company founded by the original developers of Apache Pinot, I lead the Solutions Architecture team in the India region. StarTree is dedicated to delivering a fully managed platform for Apache Pinot, a real-time analytical database.

#### Responsibilities

- Design solutions and architecture for real-time analytical use cases with Apache Pinot where low latency, high concurrency and data freshness are necessary.
- Guiding customers to optimize real-time analytical queries to meet the

expected service level agreements.

- Do use case-specific proof-of-concepts(POCs) for prospects and customers.
- Help customers determine new use cases to utilize the platform efficiently.
- Develop custom connectors when necessary.

#### Achievements

- Conducted multiple on/off-site architectural sessions for StarTree customers and prospects.
- Handled all the prospects and customers in the Asia Pacific region until the team grew.

#### Skills

Java, Algorithms, Databases, Sales Operations, Team Building, Micro Services, Containers, AWS, GCP

**01/2019 - 05/2022**

#### **Associate Lead Solutions Engineer**

WSO2 inc

At WSO2, the global leader in open-source middleware, I served as an Associate Lead Solutions Engineer within the Solutions Architecture team heading the Asia Pacific team.

#### Responsibilities

- Designed solutions using the most suited technologies to address customers' business use cases, prioritizing optimization and efficiency.
- Demonstrated the capability to create demonstrations, POCs and related materials with the products to expose the products' capabilities adequately.
- Conducted technical workshops for customers, partners and public users.
- Designed workshop content for multiple audiences with different backgrounds - CXO, enterprise/solution architects, developers and DevOps. Conduct architecture reviews followed by implementations when needed.

#### Achievements

- Conducted multiple on/off-site architectural sessions for WSO2 customers and prospects.
- Handled over 20 customers as the primary technical owner, including a Fortune 500 company.
- Developed an SDK for the WSO2 Identity Server for Spring Boot integration. (<https://www.youtube.com/watch?v=OvnshmiAaA>)
- Worked as the lead solutions engineer for the South Asian region.
- Developed a custom module to integrate WSO2 Enterprise Integrator with SAP Hana.

#### Skills

JAVA, Maven, Spring Boot, React, Micro Services, Containers, Integration, API Management, CIAM, Version Control

**04/2017 - 01/2019**

#### **Senior Software Engineer**

AdroitLogic (Pvt) Ltd

AdroitLogic simplifies systems integration. The quality of the code and the performance of the platform led to the deployment of the UltraESB at top-tier organizations the world over, including at Walmart (6M TPS with 200 instances), Singapore Exchange Limited (SGX), Kuoni/HotelBeds (>335 instances), StageCoach and GeoSwift etc. AdroitLogic was bootstrapped in 2010 and has its offices in Sri Lanka.

#### Responsibilities

- Architect, lead developer and deployment engineer for AdroitLogic

AS2Gateway.

- Maintainer of SGXNet-Trojan project & Eshopbox AS2Station Project.

#### Achievements

- Awarded with the Most Outstanding Performer award for the years 2017 & 2018.
- Engaged in numerous customer-related projects, onsite/offsite deployments, including SGX and GeoSwift.
- One of the core developers of AdroitLogic UltraESB-X.
- One of the core developers of SigmaIDE (A serverless development platform)

#### Skills

Java, Spring, Docker, Angular, Node, React, Distributed computing, Databases (Oracle, MYSQL), Web-Services, REST-Service, AS2, ehCache, AWS, React, Serverless Computing

**04/2016 - 01/2017**

#### Google Summer of Code Intern & Contributor

Eclipse Foundation

During the Google Summer of Code, I had the privilege of working with the Eclipse Foundation AISBL, an independent, Canada-based not-for-profit corporation serving as the steward of the Eclipse open-source software development community. The foundation holds legal jurisdiction in the European Union.

#### Responsibilities and achievements

- Developed the pair programming feature (an extension) for Eclipse CHE cloud-based IDE. (<https://www.youtube.com/watch?v=OZNceE-sWto>)

#### Skills

Java, GWT, Docker, Web Sockets, Algorithms, Eclipse Flux

**10/2015 - 04/2016**

#### Software Engineering Intern

WSO2 inc

#### Responsibilities and achievements

- Developed the SDK auto-generation feature for WSO2 API Manager.
- Deployment and Stability improvements of WSO2 Enterprise Mobility Manager for the internal WIFI network.

#### Skills

Java, Spring, Angular, AWS, MySQL, AS2 Protocol, S/FTP Google Cloud

## PERSONAL ACHIEVEMENTS

#### Conference Publication

Shapelets and Parallel Coordinates based Automated Query Generation for Complex Event Processing  
*The 2016 IEEE International Conference on Smart Data*

#### Journal Publication

Automated Query Generation for Complex Event Processing: A Shapelets, Parallel Coordinates, and Clustering Based Approach  
*International Journal of Computing and Digital Systems (IJCDs) | Volume 6 | Issue 4*

#### Fritz Kunz Memorial Challenge cup

Earned the prestigious Fritz Kunz Memorial Challenge Cup in 2012, recognized as the highest honor bestowed upon an individual at Ananda College's Annual Prize Giving ceremony. This award is reserved for the Most Outstanding Anandian, signifying an exceptional accomplishment within the esteemed academic community. Ananda College

stands as a premier institution in Sri Lanka, boasting a student body of over 7000 and maintaining a reputation for excellence in primary and secondary education.

## SKILLS

- Java, C, Python, R, ReactJS, AngularJS, NodeJS, Spring, Maven, React Native
- Containers
- AWS, GCP, Azure
- Version Controlling
- RDBMS, NoSQL
- Linux
- OOP, Multi-threading, advanced data structures and algorithms
- Sales operations and processes
- Team player who does what it takes to get the job done

## EDUCATION

**03/2012 - 04/2017**

**Bsc Eng Hons (Moratuwa) specialized in Computer Science and Engineering**  
University Of Moratuwa  
Second Class Upper Division (2:1)

## MEMBERSSHIPS

**ACS** - Australian Computer Society  
**IESL** - Institution of Engineers Sri Lanka

## VOLUNTARY WORK

**08/2016 - 08/2017**

**Rotaract Club of Alumni of University of Moratuwa**

Director of IT

Contributing member of the Rotaract Club of Alumni, University of Moratuwa, actively involved in spearheading numerous voluntary projects. As the Head of Information Technology, responsible for leading the technological initiatives of the club.

<https://rotaractalumnimora.org/>

**07/2014 - 08/2016**

**Rotaract Club of University of Moratuwa**

Assistant Director of Public Relations & IT Director

Dedicated member of the Rotaract Club of the University of Moratuwa for over 2 years, actively contributing to various initiatives aimed at community service and personal development. Effectively leading multiple projects within the organization, resulting in the receipt of prestigious awards at district conferences.

<https://rotaractmora.org/>

# REFEREES

References available upon request.