

Contact

www.linkedin.com/in/
shanakarathnasekara (LinkedIn)

Top Skills

HTML5
Front-End Development
Cascading Style Sheets (CSS)

Languages

Sinhalese (Native or Bilingual)
English (Professional Working)

Certifications

Structuring Machine Learning
Projects
Cisco Internet Of Everything
Verified International Academic
Qualifications
Improving Deep Neural Networks:
Hyperparameter tuning,
Regularization and Optimization
Neural Networks and Deep Learning

Honors-Awards

Winner Cisco IOT Hackathon 2017 -
Sri Lanka
Semi-Finalist SS12 Asia 2016 :Sri
Lanka Section Competition
Cyber Security Quiz
Champions 'Exalt' Intra School
Practical ICT Competition held in
connection with Pulz'12
Champions 'Exalt' Intra School
Practical ICT Competition

Publications

Smart Cane for Stair Case and
Water Detection
Personalized Privacy Assistant to
Capture, Communicate and Enforce
Privacy Policies and Preference

Shanaka Rathnasekara

Full Stack Software Developer | Computer Science Graduate |
Creative Designer
London, Ontario, Canada

Summary

Experienced Full Stack Software Engineer with a proven track record of more than 5 years in software product engineering. I specialized in cloud-native application development and possess a keen interest towards research and development initiatives. I have served as a sub-team lead on multiple projects and have been recognized for my leadership abilities, having been nominated for successive leadership roles. My approach is characterized by a dedication to success, striking a harmonious balance between technical prowess and soft skills. Notably, I have collaborated extensively with European clients in the logistics and oil/gas sectors. Proficient in a range of technologies including .NET, C#, Angular, TypeScript as well as adept in Algorithms, Azure cloud and Object-oriented programming. I possess an open work permit in Canada.

Experience

Geotab
Full Stack Software Developer
July 2024 - Present (1 year)
Waterloo, Ontario, Canada

99x
5 years 1 month

Associate Technical Lead
July 2023 - June 2024 (1 year)
Sri Lanka

- Served as the sub-team lead with a customer-centric mindset, spearheading the utilization of the product management tool Product board to prioritize features, gather user insights, and strategize roadmaps for the product through direct client communications.
- Effectively guided the team as a Sub team lead to deliver a software product with a robust set of features within the designated timeline. Provide leadership

and guidance to fellow engineers, helping them navigate complex technical challenges and supporting their professional career growth.

- Amid mounting end-user concerns regarding the sluggishness of the Excel import functionality, I meticulously conducted a debugging process to identify bottlenecks within the feature implementation. Through meticulous analysis, I successfully pinpointed the bottleneck points and swiftly deployed tailored solutions. This strategic intervention resulted in a substantial improvement in the Excel import functionality's performance, achieving a remarkable tenfold increase in speed.
- Possess comprehensive expertise in deploying secure, cloud-native solutions based on foundational principles, including the utilization of service endpoints, private endpoints, Azure virtual networks, application gateways, subnets and network security groups.
- Engaged in development of Infrastructure as Code (IAC) using Azure Bicep, facilitating automated provisioning of resources within the Azure cloud environment.
- Proficiency in code reviewing and providing constructive feedback based on industry best practices, along with the ability to assess and recommend improvements to the development process
- Researched and carried out the meticulous upgrade process of an Angular application from Bootstrap 4 to Bootstrap 5.
- Led the development efforts to establish extensive feature functionality enabling SVG handling and viewing capabilities for piping and instrumentation diagrams within the Angular frontend and .NET backend.

Senior Software Engineer

July 2021 - July 2023 (2 years 1 month)

Colombo, Western, Sri Lanka

- Led the integration of cutting-edge cloud technologies into newly architected software solutions through extensive engagement in the Azure cloud-native solution architecting process and active participation in research and development initiatives.

- Acquired hands-on experience in crafting serverless software solutions, specifically utilizing Azure Functions, and adeptly employed diverse Azure Durable Functions application patterns, such as function chaining and fan-out/fan-in, to enhance system efficiency and scalability, along with design and development of RESTful APIs based on best practices.
- Executed upgrades for an Azure Functions App, transitioning it from ASP .NET Core 3.1 to .NET 7.0, and updated Angular applications to their latest versions, including Angular 14. Identified potential breaking changes by meticulously reviewing official documentation, effectively rectifying issues encountered during the upgrade process.
- Acquired extensive expertise in non-relational database data modeling and development, particularly with Azure Cosmos DB utilizing the SQL API. Demonstrated proficiency in optimizing costs associated with Azure Cosmos DB usage while prioritizing efficient querying and scaling capabilities.
- Implemented a distributed caching mechanism with Azure Cache for Redis to enhance system performance and reduce latency. Additionally, leveraged Azure API Management service to architect and deploy a robust public API for the solution, ensuring scalability, security, and streamlined management of endpoints.
- Configuring authentication in cloud native applications through Azure Active Directory B2C userflows, ensuring secure access control and streamlined user authentication processes.
- Efficiently orchestrated the migration of on-premises SQL database data to Azure Cosmos DB, leveraging Azure Data Factory pipelines with Azure Integration Runtime to ensure seamless transfer, data consistency, and integration into the cloud-native environment

Software Engineer

January 2020 - June 2021 (1 year 6 months)

Colombo, Western, Sri Lanka

- Took charge of overseeing a pivotal project delivery involving extensive feature development within a stringent timeline, while concurrently conducting requirement analysis and feature engineering. Additionally, assumed sub-team leadership responsibilities for the portal sub-team.

- Led the portal sub-team as a Scrum Master while also conducting dev effort estimations for critical project deliveries.
- Execution of feature implementation within Angular front-end development in several different front-end portals.
- Contributed to .NET development, focusing on the authentication related microservice and extensively collaborated on the development of a customer-oriented order placement microservice.
- Possess experience in master data management utilizing SQL relational databases and contributed to optimize master data management workflows by pinpointing repetitive tasks and orchestrating technical integrations within .NET microservices to automate these repetitive operations.

Trainee Software Engineer

June 2019 - December 2019 (7 months)

Colombo, Western, Sri Lanka

- Engaged in IOS native mobile application development, focusing on performance enhancements, fine-tuning, and refinement during the UAT phase, culminating in the upgrade of the IOS mobile app to IOS 13.
- Implemented an ELK stack solution for comprehensive log analysis and API uptime monitoring.
- Implemented SonarQube static code analysis and seamlessly integrated it with the Jenkins build pipelines.
- Optimized the build script within Jenkins pipelines and seamlessly integrated it into production builds.
- Implemented bulk order uploading functionality via Excel file integration into the system, alongside feature implementations on the Angular frontend.
- Engaged in resolving defects within the Angular frontend portals and .NET microservices-oriented backend engines to gain familiarity with the codebase.

Ananda College ICT Society

Secretary

January 2014 - December 2014 (1 year)

Ananda College

Education

General Sir John Kotelawala Defence University

Bachelor of Science(Hons) in Computer Science · (January 2016 - December 2019)

Ananda College

Primary School · (2002 - 2015)

Aquinas College of Higher Studies

Diploma In English · (2011 - 2012)