

SACHINTHA RATHNAYAKE

SENIOR SOFTWARE ENGINEER

Email: sacheerc@gmail.com

Age: 28

Phone: +94 71 924 7080

LinkedIn: <https://www.linkedin.com/in/sachintha95>



I am an Enthusiastic Software Engineer. I hold a BSC (Hon) in Computer Science with a Second Class Upper Division and boast three years of experience. Currently, I am working as a senior software engineer in CodeGen International PVT LTD. My expertise shines in the realm of full stack application development, where I wield a diverse array of skills including Java, Spring, Spring Boot, Java Script, Angular, React, React Native, Oracle DB, Redis, Firebase, MongoDB, Node Js, Express Js, Python, Django, and Flask. My professional journey is propelled by a fervent interest in cutting-edge fields such as Cloud Computing, Micro Services, Natural Language Processing, and the latest modern application development technologies and strategies. Join me as I navigate the ever-evolving landscape of software engineering, committed to crafting innovative solutions and fostering technological advancements.

Skills

- **Programming Languages:** Java, JavaScript, Python
- **Frameworks:** Spring, Spring Boot, Node Js, Express, Flask, Django, Angular, React, React Native
- **Databases:** MySQL, Oracle, Redis, MongoDB, ArangoDB
- **Other:** Git, Jira, IntelliJ, Maven, Docker, Linux

Work Experience | 3 Years

Codegen International - Colombo, Sri Lanka

Senior Software Engineer (6 Months)

Jan 2023 - Present

- Worked as a full-stack developer using Java, Spring, Swing, Angular, Oracle DB, and Redis.
- Contributing to bug fixes in both production and non-production environments within specified time frames.
- Implemented optimizations utilizing data structures and caching mechanisms to enhance the efficiency of existing solutions.
- Implemented automated unit testing using JUnit to streamline the testing process and ensure the reliability and quality of software solutions.
- Actively participated in Agile Scrum meetings, sprint planning, and retrospective sessions to foster collaboration and continuous improvement.

Technologies: Java, Java Servlets, Web Service Rest, Spring, Spring Boot, Swing, Angular, Jhipster, Redis, Oracle DB, GIT, Jira, Rest API, SOAP, Linux

Codegen International - Colombo, Sri Lanka

Software Engineer (1 Year and 9 Months)

Apr 2021 - Jan 2023

- Contributed to the development of a mobile application and associated APIs as a full-stack developer using Spring Boot and React Native.
- Engaged in requirement analysis, feasibility study, and solutioning phases to ensure successful project outcomes.
- Utilized a Spring Cloud Stream-powered event-driven microservice architecture for efficient application development.

Technologies: Java, Java Servlets, Web Service Rest, Spring Boot, Data JPA, MySQL, Micro Services, Spring Cloud Stream, Kafka, React, React Native, GIT, Jira, Docker, Rest API, Linux

Codegen International - Colombo, Sri Lanka

Software Engineer - Intern (6 Months)

Aug 2019 - Feb 2020

- Developed a Named Entity Relation (NER) model using Python and the NLTK natural language processing library.
- Trained the model using a rich feature set and supervised learning algorithms to enhance its accuracy and performance.
- Contributed to the Toastmasters club and actively participated in club events, developing communication and leadership skills.

Technologies: Python, NLTK, Spacy, Angular, Django, Java, Spring Boot, MySQL, ArangoDB, Jira, GIT, Docker, Rest API, Supervised Learning, HTML, CSS, JavaScript

Research Publications

- **Hybrid Positioning Approach for Context-Aware Indoor Navigation of Visually Impaired People - ASME Digital Collection · Aug 22, 2022**

This publication presents a novel context-aware navigation approach for visually impaired persons using a hybrid localization approach. <https://doi.org/10.1115/1.4055193>

Education

- **Bachelor of Science (Honors) in Computer Science (Graduated in 2021)**

3.387 GPA | Second Class Upper Division

University of Colombo School of Computing

Colombo Sri Lanka

Projects

- **Shiksha** : An Online web and mobile based system for E-learning. Developed by using Angular, Springboot, React Native, MySQL and Google cloud platforms.
- **Eco-Travels** : A web based system for tour reservations with online payment methods. Developed by using Angular, Express.js, MongoDB, Google Cloud Platform
- **Eco-Bot** : An automatic robot car for finding and identifying plastic and metal balls and disposing them into the correct place. Developed by using arduino and google cloud platform
- **Shipping Cal**: Online free tool to calculate realtime postal charges and convert them into different currencies. Daily currency rates are fetched by a daily scheduler.
- **Final Year Research Project**: Context aware assistive technology framework for visually impaired people. (Android, Python, Node MCU, Flask)
- **COURSE ENROLMENT SYSTEM**: A standalone application for manage student enrolment and the results of the students. (Swing, Java, MySQL)

Certifications

- React.js Essential Training
<https://www.linkedin.com/learning/certificates/f2277b939f2ca3f981f27e9b6227ff4c2cb92c493e691f0f2d92236607621deb>
- React: Software Architecture
<https://www.linkedin.com/learning/certificates/c64ad64eb609a2b3ce934f2ace96a64e9a7d993713348a88eeb301aabb7e99d5>
- Introduction to Microservices
<https://www.udemy.com/certificate/UC-d0f538ed-ff89-4c70-8aaf-c9409008ff3c>

References

My current and previous employers will all provide references on request.