



GAYANATH SILVA

Software Engineer



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<https://personal-portfolio-gayanath.vercel.app>



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<https://github.com/gayanath97>

About Me

Gayanath Silva is a passionate software engineer with 1+ years of experience in JAVA Spring Boot and Microservices. Specializing in backend development and Rest APIs, And also 1+ years of experience in Reactjs and Angular. Gayanath excels at problem-solving, system design, and enhancement. I am self-motivated, hardworking, and dedicated to utilizing his skills to contribute to an organization's growth.

Education

- BSc (Hons) in Information Technology
Faculty of Information Technology
University of Moratuwa
(Reading - Expected in 2024)
CGPA: 3.33 (current)
- G.C.E. A/L (Physical Stream)
Bandaranayake College Gampaha
2018 Passed with 1A,2B's
- G.C.E. O/L (Sinhala Medium)
Bandaranayake College Gampaha
2013 Passed with 8A's, 1B

Skills

- Communication Skills:

Ability to convey complex technical information in a clear and understandable manner, both in written and verbal communication.

- Problem-Solving:

Strong problem-solving skills to analyze issues, identify root causes, and implement effective solutions.

- Critical Thinking:

Capacity to think critically and assess situations from multiple perspectives, leading to well-informed decisions.

- Team Collaboration:

Ability to work collaboratively in a team environment, share knowledge, and contribute to collective goals.

- Adaptability:

Flexibility to adapt to changing project requirements, technologies, and methodologies.

- Creativity:

Creative thinking to devise innovative solutions and approaches to software development challenges.

- Time Management:

Effective time management skills to prioritize tasks, meet deadlines, and manage workloads efficiently.

Experience

Software Engineer Intern Intervest Software Technologies Sri Lanka

January-June 2023

- I have taken on the responsibility of transitioning the pre-existing codebase, initially developed within the Enonic framework, to a structure based on ReactJS.
- In the context of bug fixing, I acquired the skills to effectively work with AWS server logs, enabling me to diagnose and resolve issues efficiently.
- I have been responsible for the development of new feature tickets, incorporating requirement changes for existing features, and addressing bug tickets.
- While working on tickets, I have effectively communicated with the QA team, ensuring a collaborative and smooth workflow.
- This interaction has provided me with valuable insights into all stages of the Software Development Life Cycle (SDLC), allowing for a comprehensive understanding of the entire development process from inception to deployment and maintenance.
- I actively engaged with version control using GitLab, implemented continuous integration with Jenkins, and managed project workflows using Jira tools.

Software Engineer Intern Axiata Digital Labs Sri Lanka

June-December 2022

- I have practical experience with design patterns such as the Singleton and Factory design patterns in the projects I have been involved with.
- I have acquired proficiency in writing code following the SOLID principles. It has guided my coding practices, fostering maintainability, flexibility, and scalability in software development projects.
- I have gained expertise in working with microservices architecture, including the utilization of Kafka for event-driven communication.
- This knowledge has enabled me to design and develop scalable, distributed systems that leverage the benefits of microservices and effectively handle communication between services through event-driven approaches and API management.
- Additionally, I have experience in the implementation of an API gateway using Spring Cloud.
- I have experience deploying projects on AWS servers using Docker.
- This involves containerizing applications with Docker to ensure consistency across different environments.
- Then, deploying these containers on AWS for efficient and scalable infrastructure management.
- This deployment approach enhances the portability and scalability of the application while leveraging the benefits of AWS services.

languages

- Sinhala(Native)
- English

Non-related Referees

- Mr.S.C.Saminda Premaratne
Senior Lecturer
Head of
Department of Information Technology
Faculty of Information Technology
University of Moratuwa
0714413362
samindap@uom.lk
- Dr. Chaman Wijesiriwardana
(Ph.D, MSc, BSc(Sp))
Lecturer/Coordinator in MSc in IT
Department of Information Technology
University of Moratuwa
0718670601
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TECHNICAL SKILLS

- Java
- Springboot
- Microservices
- Hibernate
- Spring Cloud
- Spring MVC
- Spring Security
- Kafka
- JavaScript
- ReactJS
- Redux
- Angular
- Bootstrap
- Material-UI
- Jira
- Version Control (git)
- Python
- CI/CD (Jenkins)
- Containers (Docker)
- Build Tools
- Cloud-laas
- Container Orchestration (Kubernetes)
- Infrastruture as a service (Terraform)
- Configuration management tool (Ansible)
- MySQL
- PostgreSQL
- MongoDB

PROJECTS

- **AI Voice Model for Elderly Care Houses**

4th Year Research Project (Group) - Ongoing

Aim to implement a AI voice model based on voice profiling methodologies in order to conduct smooth conversations with senior citizens in Sri Lanka to improve the quality of life and mental health by reducing social isolation and loneliness.

Technologies - Python , NLP,Graph Databases,Voice Recognition Software, GANs

Responsibilities -My module addresses the daily needs of elderly residents, helping them with tasks such as medication reminders, appointment scheduling, and basic information retrieval. Given the potential memory challenges and the desire for independence among the elderly, this module is crucial.

- **Automated Expense Claim Management System**

2nd Year Software Project (Group)

Developing Web and Mobile Applications for Persistent Lanka(Pvt)Ltd to automate their process of claiming Expenses, OPDs, and Reward and Recognition.

Frontend - React

https://github.com/gayanath97/group_project_frontend

Backend- Spring Boot

https://github.com/gayanath97/group_project_backend

Database - PostgreSQL

Responsibilities - Frontend and Backend part in Reward and Recognition claim

- **Reward System**

Frontend - React Hooks

Backend - Springboot

<https://github.com/gayanath97/Springboot-hooks-fullstack>

- **CRUD using react,redux,axios,api**

<https://github.com/gayanath97/react-hooks-redux-api-axios>

- **Other projects.....**

<https://github.com/gayanath97?tab=repositories>