

Theekshana Sandaru, Full Stack Engineer / Senior Backend Engineer

97 Hougang Avenue 2, #17-77, The Florence Residences, Hougang, 533753, Singapore, 81502210, theekshana.sandaru@gmail.com

Date of birth	1995-11-22	Nationality	Sri Lankan
Place of birth	Sri Lanka		

LINKS [LinkedIn](#), [GitHub](#)

PROFILE

With a passion for crafting elegant solutions to complex problems, I bring over 5 years of experience as a software engineer to the table. Skilled in a diverse range of technologies such as Python, JavaScript, Flask, Django, Fast API, React, ExpressJS and AWS, I excel in web development and have a solid understanding of Go, Kubernetes, Jenkins, and Machine Learning. My ability to design and implement scalable and maintainable systems has led to successful projects and happy clients. Let's build something amazing together.

EMPLOYMENT HISTORY

Mar 2024 — Present **Mid Software Engineer, CW @ Meta for AVT** Marina One, Singapore

- **Enterprise Engineering Collaboration:** Actively engage with the enterprise engineering team to understand project requirements, align technology stacks, and ensure seamless integration of developed solutions into existing systems.
- **Efficient Program Development:** Develop high-performance programs optimized for speed and scalability, capable of efficiently handling large volumes of data loads, ensuring minimal latency and resource consumption.
- **Data Preprocessing Expertise:** Utilize advanced data preprocessing techniques to clean, transform, and prepare diverse datasets for analysis and modelling, ensuring data quality and integrity for downstream tasks.
- **Technology Stack Proficiency:** Demonstrate proficiency across various technology stacks, adapting to the specific needs of each project and leveraging appropriate tools and frameworks to achieve optimal results.
- **Problem-solving Skills:** Employ analytical thinking and problem-solving skills to tackle complex challenges in data processing and software development, finding innovative solutions to enhance efficiency and performance.
- **Performance Optimization:** Continuously optimize code and algorithms to improve performance metrics such as execution time, memory usage, and throughput, leveraging best practices and cutting-edge techniques.
- **Collaborative Approach:** Foster a collaborative work environment, actively seeking feedback from team members and stakeholders to iterate and improve upon solutions, ensuring alignment with project goals and objectives.
- **Documentation and Communication:** Maintain comprehensive documentation of code, processes, and project workflows, facilitating knowledge sharing and ensuring transparency across the team. Communicate effectively with stakeholders to provide updates on progress and address any concerns or requirements.
- **Adaptability and Learning:** Stay abreast of emerging technologies and industry trends, continuously enhancing skills and knowledge through self-learning and professional development activities, adapting to evolving project requirements and technological landscapes.
- **Quality Assurance:** Implement rigorous testing methodologies to validate the correctness and robustness of developed programs, ensuring reliability and stability in production environments.
- **Tech Stack:** Python, Hacklang(PHP), React, Redux, SQL, EntSchema, Unittests, Dropbox API.

Sep 2022 — Mar 2024 **Full Stack Engineer, GIC Pvt Ltd via U3Infotech** Tanjong Pagar, Singapore

Industry: Fin-tech (Singaporean Government Investments)

- Development of the data visualization software according to the user investment requirements.
- Design and improve system architecture.
- Coding, Code Refactoring, Bank-end, and Front-end end-to-end testing.
- Production support, troubleshooting, and debugging production issues.
- Configuring, developing, and maintaining FTP connections in order to accomplish the business requirements
- Load testing, API monitoring, and Performance improvement.
- Working with Apache Airflow in order to run scheduled Python Script

- Tech stack: GraphQL API / Rest API development with Python (Django, Asyncio and aiohttp), PostgreSQL, Ms SQL, Front-end development with React and Redux with Type Script, DevOps with AWS cloud technologies, Docker, Kubernetes, CI/CD: Jenkins, Helm Charts, Git Lab, Airflow, Load testing with Locust, API monitoring with Data Dog and Followed Agile methodologies

Oct 2020 — Sep 2022

Software Engineer , ItelaSoft Pvt Ltd

Mirihana, Sri Lanka

Industry: (Telecommunication, Food delivery, and Diet planning)

- Involved development of multiple projects with the different tech stack
- Design and improve system architecture.
- Coding, Code Refactoring, Band-end, end-to-end testing
- Performance Improving, Performance Monitoring, and Load testing
- Production support for the systems, Maintaining high concurrent applications, and Migrating data in the databases from MySQL to PostgreSQL on production.
- Working closely with the clients and gathering requirements for and implementing and improving the systems which satisfy the client's needs
- Managing deployment and CICD
- Leading the back-end team in order to achieve the milestone and working closely with the trainee engineers for getting the requirements done.
- Conducting KT sessions
- Tech stack: Python (Django, Flask, aiohttp, and Fast API), JavaScript / TypeScript(NodeJS, HapiJS) back-end development, Front-end development with JavaScript (VueJS, ReactJS), DevOps with AWS cloud technologies, Docker, CICD with Git Lab and Followed Agile Methodologies.

Feb 2020 — Oct 2020

Software Engineer , Ayra Analytics

Kalubiwila, Sri Lanka

Worked in the core development team for the Octopus BI application (<https://octopusbi.com/>).

- Involving in designing and developing new features for the product
- Enhancing and optimizing the currently developed features in the product
- Working closely with the development team for achieving milestone completion.
- Carrying out deployments
- Tech stack: Python, Django, Node, Express, PostgreSQL, AWS, Docker, Bit Bucket, gRPC

Feb 2018 — Feb 2020

Software Engineer , Deep Data Insight

Kalubowila, Sri Lanka

Working closely with a Data science and machine learning team for developing API for delivering the outcomes of machine learning models.

- Design and developing Python back end API according to the requirements
- Designing and developing front ends according to the requirements
- Carrying out the deployments
- Conducting KT sessions for the junior developers
- Working closely with the data science team contributing to the development of machine learning models
- Tech stack: Back-end development with Python (Flask, Django), JavaScript(NodeJS), Front-end development with Angular+, PostgreSQL, Firebase, Followed Agile Methodologies

Aug 2017 — Nov 2017

Trainee Software Engineer, Vitte Pvt Ltd

Nugegoda

- Developing ERP systems with Python Odoo

May 2017 — Aug 2017

Trainee Software Engineer, Open Arch Systems

- Developing ERP systems with Python Odoo

EDUCATION

Mar 2016 — Dec 2019

Bachelor Of Information Technology, Unviersity Of Moratuwa

Moratuwa

GPA: 2.91

Individual Project Grade: A

Developed as the final year research project (Individual). This system is capable to find fraud in credit card and debit card transactions. Python, Flask, Angular, NodeJS, and Auto encoders have been used for development.

SKILLS

Python (Django, Flask, FastAPI)

Experienced

Kubernetes

Skillful

Experienced

Jenkins

Skillful

JavaScript / TypeScript (Node Express, React, Angular, Vue)		TensorFlow	Skillful
SQL (PostgreSQL, MySQL)	Experienced	Go (Gin, Gorilla, Fiber)	Beginner
NoSQL(MongoDB)	Experienced	Machine Learning, Deep Learning	Beginner
Git	Experienced	Apache Airflow	Skillful
JIRA	Experienced		
AWS (RedShift, S3, Athena, SNS, SQS, RDS, API gateway, CloudWatch, EC2, Lambda)	Skillful		

HOBBIES

Hiking, Gaming, Mobile Phone Photography

COURSES

Jan 2023 — Jan 2023	Working with React and Go, Udemyl (https://www.udemy.com/certificate/UC-9dad141-fa30-4b32-9c7c-e4bc8e1a9ebd/)
Jun 2022 — Jun 2022	Python zero to hero, Udemyl (https://www.udemy.com/certificate/UC-d16c43fb-76c2-40af-80ef-f5611ab2c47f/)
Apr 2020 — Apr 2020	GRPC with GO, Udemyl (https://www.udemy.com/certificate/UC-b0f23e0b-6024-46b5-9750-b2847401c71c/)
Jan 2023 — Jan 2023	Cryptocurrency with python and react, Udemyl (https://www.udemy.com/certificate/UC-2fa77ce9-8fa0-4f84-9553-6bb3f5f8d32e/)

LANGUAGES

English Very good command

PROJECTS

Sep 2023 — Present	<p>PDF Summarization Chatbot with OpenAPI and FastAPI Singapore</p> <p>Developed a PDF summarization chat bot using Python, Open API, and the Fast API web framework. The chatbot is designed to read and extract essential content from PDF documents, offering a concise summary to users. The project involved the integration of Open API to process PDF files and Fast API to create a user-friendly web interface. This chatbot streamlines the process of digesting lengthy documents, improving efficiency and accessibility.</p> <ul style="list-style-type: none"> • Successfully integrated Open API for PDF processing. • Implemented Fast API for the development of a web interface. • Designed a user-friendly chatbot that summarizes PDF s. • Enhanced document accessibility and efficiency for users. <p>Skills and Tools Used:</p> <ul style="list-style-type: none"> • Python • OpenAPI • FastAPI • PDF Processing • Chatbot Development
--------------------	--

REFERENCES

Mr.Clement Fernando, Senior Application Consultant from at U3Infotech

clement.amila@gmail.com · +6591242950

Mr.Milan Perera, Senior Application Constultant from U3Infotech PTE LTD

