

THEEKSHANA SANDARU

SOFTWARE ENGINEER

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PROFILE

Software Engineer with over 7 years of comprehensive experience, proficient in Python, JavaScript, Go, and Hack Lang. Specialised in back-end development, building scalable architectures, optimising performance, and delivering reliable APIs. Experienced in collaborating with cross-functional teams to transform complex requirements into efficient solutions. Passionate about clean code, automation, and enhancing data integrity to drive impactful results in dynamic environments.

TECHNICAL SKILLS

Python	Django	FastAPI	Flask
JavaScript	TypeScripts	NodeJs	ExpressJs
NestJS	React / Redux	NextJS	Vue
Angular	Go	Hacklang (PHP syntax)	Hive
MySQL / PostgreSQL	AWS web services	Docker	OpenShift
Backend Development	Object Oriented Programming	Agile	Kubernetes

EXPERIENCE

- Full Stack Engineer, Meta (via AVT), Singapore**

Mar 2024 — Sep 2025

 - Led large-scale migrations from Dropbox to Google Drive, achieving significant cost savings on licensing fees.
 - Developed notification systems for seamless transitions during Microsoft to Google migrations, minimising disruptions.
 - Collaborated with engineering teams to define project requirements and integrate technical solutions effectively.
 - Created high-performance applications optimised for data processing and resource efficiency.
 - Enhanced data quality through advanced reprocessing techniques, ensuring integrity across diverse datasets.
- Full Stack Engineer, GIC Pvt Ltd (via U3Infotech), Singapore**

Sep 2022 — Mar 2024

 - Designed and developed specialized data visualization software for investment criteria and user specifications.
 - Architected and optimized system infrastructure for scalability and resilience under varying workloads.
 - Delivered full lifecycle development, including coding, refactoring, end-to-end testing, and deployment.
 - Automated workflows using Apache Airflow, orchestrating time-sensitive processes with Python scripts.
 - Conducted load testing and API monitoring to enhance performance and system responsiveness.
- Software Engineer, ItelaSoft Pvt Ltd, Nugegoda, Sri Lanka**

Oct 2020 — Sep 2022

 - Contributed to the full software development life cycle, ensuring timely delivery and quality standards.
 - Designed and optimised system architecture, performing hands-on coding, refactoring, and extensive testing.
 - Enhanced system performance through monitoring and targeted optimisations for high-concurrency applications.
 - Managed CI/CD pipelines and deployment processes, streamlining project delivery.
 - Collaborated with clients to gather requirements, aligning solutions with business needs.
- Software Engineer, Ayra Analytics, Nugegoda, Sri Lanka**

Feb 2020 — Oct 2020

 - Contributed to the core development of the Octopus BI application, enhancing product features and capabilities.
 - Designed and implemented scalable, high-performance features with a user-centric approach.
 - Optimised existing functionalities through rigorous testing, boosting performance and user satisfaction.
 - Collaborated with cross-functional teams during the development life cycle to efficiently meet project milestones.
 - Managed deployments across environments, adhering to version control, CI/CD, and automated processes.

Software Engineer, Deep Data Insight

Feb 2018 — Jan 2020

- Collaborated with multidisciplinary teams to design and implement APIs delivering complex ML model outputs.
- Developed robust Python-based back-end APIs focused on scalability, performance, and reliability.
- Designed intuitive front-end solutions, ensuring seamless integration with back-end functionalities.
- Spearheaded deployment processes and conducted knowledge transfer sessions, empowering junior developers.
- Contributed technical insights to enhance machine learning model performance, driving innovative solutions.

INTERNSHIPS

Trainee Software Engineer, Vitte Pvt Ltd, Nugegoda, Sri Lanka

Aug 2017 — Nov 2017

- Developed ERP solutions using the Odoo ERP framework, enhancing business processes.
- Collaborated with cross-functional teams to design and implement software features.
- Conducted system testing and debugging to ensure application reliability.
- Assisted in optimising the existing code base for improved performance.
- Engaged in Agile methodologies to facilitate project management and delivery.

Trainee Software Engineer, Open Arc Systems, Kirulapona, Sri Lanka

May 2017 — Aug 2017

- Developed ERP solutions using the Odoo ERP framework, enhancing business processes.
- Collaborated with cross-functional teams to gather requirements and design software solutions.
- Conducted system testing and debugging to ensure software quality and performance.
- Assisted in the deployment of applications to cloud services, optimising resource management.
- Engaged in continuous learning of emerging technologies to improve development practices.

EDUCATION

Bachelor of Information Technology

Mar 2016 — Dec 2019

University of Moratuwa, Moratuwa, Sri Lanka

GPA: 2.91 Individual Project Grade: A Developed a fraud detection system for credit and debit card transactions as a final year research project, using Python, Flask, Angular, NodeJS, and Autoencoders.

REFERENCES

Mr. Clement Fernando

Senior Application Consultant, U3Infotech

Email: clement.amila@gmail.com

Mr. Dinuka Winasinghe

Senior Software Engineer, Wipro PVT LTD

Email: wanasinghe007@gmail.com

ADDITIONAL INFORMATION

- **Links:** Portfolio, LinkedIn