



Isuru Mahesh

Senior Software Engineer

About Me

Experienced Senior Software Engineer specializing in scalable system design, cloud architecture, and backend development. Passionate about solving complex problems and leading technical initiatives that drive business impact.

Work Experience

March 2023 - present (2 years)
OctopusBI

Senior Software Engineer

- Designing scalable systems
- Mentoring backend team and code reviewing
- Managing release cycles and deployments
- Integrated ChatGPT for student data for Q&A
- Used DataFusion for fast in-process queries
- Integrated SSO with multiple IDPs and synced user data to application

Apr 2020 - Feb 2023 (3 years)
OctopusBI & Mtech Software solution

Senior Engineer

- Built SaaS microservices with Django and Express.js
- Worked with AWS Redshift, Cognito, and Redis
- Ran Successful POCs for querying Redshift (PartiQL) and S3 (Vaex)
- Monitored systems using Grafana and CloudWatch

Oct 2019 - Mar 2020 (6 months)
Mtech Software solution

Associate Software Engineer

- Built monolithic architecture applications with Django.
- Implemented REST APIs.
- Started exploring AWS with EC2, S3, and CloudWatch.

May 2018 - Oct 2018 (6 months)
Mtech Software solution

Web Developer

- Developed web-based applications using PHP and JavaScript (jQuery).

References

Sandakin Hasanka
Technical Lead at Gapstars
077 97 01 670
sandakin@gmail.com

Kushan Harshana
Associate Technical Lead at Octopus B
077 04 57 788
kushan.gunasekera@gmail.com

Contact

 isurumahesh97@gmail.com

 075 43 29 431

 No 432/17 A, Godellawatta
rd, Malabe

 [Linked in profile](#)

System Design & Architecture

- Multi-tenant architecture
- Micro service design
- RESTful API Design
- Scalable Solutions
- Problem-Solving Mindset

Cloud & AWS Expertise

- AWS Services Utilization
- Serverless app design
- Monitoring
- In-process query engine integration
- Data pipelines

Languages & Tools

- Python, Nodejs
- Django, Flask, Express.js
- Docker, Linux Environment
- Postgresql, Redis, Redshift
- Pandas, Vaex & DataFusion
- Terraform