

# Sherman Lee

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GitHub: <https://github.com/shermanleejm>

Personal Website: <https://shermanleejm.github.io>

Python    Laravel (PHP)    Vue JS

AWS (ECS, S3)    Docker    MySQL    Tableau

Java    React JS    CSS

## EDUCATION AND CERTIFICATION

### Singapore Management University

Aug 2018 – May 2022

- Bachelor's in Science BSc (Information Systems) 3.31/4.00.
- Major in Business Analytics and Software Development.

### AWS Certified Solutions Architect – Associate

Nov 2020 – Nov 2023

- Demonstrates the ability to build secure and robust solutions using architectural design principles.
- Able to strategically design well-architected distributed systems that are scalable, resilient, efficient, and fault-tolerant.

## WORK EXPERIENCE

### Software Engineer Intern, Accredify

Apr 2020 – Dec 2020

- UI/UX Web development in **Vue**, **React** and **Laravel**.
- Implemented their first data analytics module that provided detailed information for their clients.
- Developed both the front-end (**ReactJS**) as well as back-end (**Python**, **Flask**, **Docker**) needed for deployment.
- Deployed and maintained the analytics module on **AWS ECS**, **Fargate**, **S3** (static web hosting) and **Lambda**.

### Web Developer, Bridges for Enterprise

Nov 2020 – Present

- Partnered with Zambian ecommerce website eMsika to help develop and maintain their new platform in **Laravel** and **Livewire**.
- <https://www.emsika.com>

## PROJECTS

### Ascenda middleware

- Created a middleware for Ascenda. The application consists of converting bank points to loyalty partner points. This project accounted for the various architecture requirements as well as design specifications.
- Deployed the application using AWS Services (**Beanstalk**, **RDS**), Terraform and Github actions for CI/CD
- Utilised **Django (Python)**, **MySQL**, **React** and **Node.JS**
- <https://github.com/shermanleejm/ascenda-middleware>

### Expenditure Tracker

- Built a completely front-end progressive web application in **React** that enables users to store and view overviews on their expenditure and income.
- Utilised mainly **React JS** and **IndexedDB** for storage of data hosted in **AWS S3**
- <https://shrmn-money-tracker.s3-ap-southeast-1.amazonaws.com/index.html>

### Student Sentiments on Singapore Universities

- Embarked on a project to determine the needs and expectations of post-secondary students when choosing a Singapore university by applying natural language processing on forums and blog posts.
- Utilised **Python**, **Beautiful Soup**, **Pandas**, **Scikit-learn** and **NLTK**
- [https://public.tableau.com/profile/poon.hao.jun#!/vizhome/IS434UniversityAnalysis\\_new/IS434UniversitySentiments](https://public.tableau.com/profile/poon.hao.jun#!/vizhome/IS434UniversityAnalysis_new/IS434UniversitySentiments)

### Social Magnet

- Created a command-line social media application with a clone of a popular social media farming game.
- Utilised mainly **Java**
- [https://github.com/shermanleejm/social\\_magnet](https://github.com/shermanleejm/social_magnet)

## CO-CURRICULAR ACTIVITIES

### Vice-President, SMU Business Intelligence and Analytics

Feb 2020 – Present

- Organised a cross-industry sharing session with over 60 student attendees by bringing in speakers from Singapore Airlines, Government Technology Agency and Clayops in Aug 2019 as Events Director.
- Organised a large networking event with 9 companies that attracted over 100 attendees as Events Director by bringing in various companies which include Bloomberg, NCS, Dataspark, Expedia Group, Shopee and more.

### Finalist, Ellipsis Tech Series 2020 Hackathon

Sep 2020

- Created a social media application that helped to teach and engage the youth in topics of financial planning and literacy. This event was judged and vetted by Goldman Sachs as well as AWS.

## COMMUNITY SERVICE

### Project Leader, Project Gazaab Nepal X

Jan 2019 – Jan 2020

- Participated as a member in Dec 2018 and helped to raise more than \$6000 for the ninth iteration and funded 2 businesses initiated by students of Shree Indreshwori Secondary School in Nepal.
- Led a team of 19 members to Melamchi, Nepal in 2019 where we funded 4 business with \$5000 that we raised in Singapore.