

Vincent Thet Naing Oo

I'm a seasoned software engineer with over 8 years of experience in creating production ready web applications. With a proven track record in frontend, backend, and DevOps engineering. In addition to being a versatile problem solver and eager learner, I also have experience in product development, growth strategies, and project management.

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TECH STACK

ReactJs, NextJs, Jest, Enzyme, Mobx, Redux

Mysql, MongoDB, Postgres

Nodejs, PHP, Python, Apache, Nginx , AWS

Express, NestJs, Drupal, WordPress, Laravel

RECENT PROJECTS & EXPERIENCE

Shopback — Software Engineer

Jun 2021- July 2023

Merchant Portal

- led 'One Merchant Portal' initiative that successfully integrated 'Pay' and 'Pay Later Services' to enable merchants with transaction management, including refunds and user management. This led to the phasing out of the old 'Pay Later' portal saving maintenance overhead.
- As a core maintainer of Merchant Portal, I developed new features such as a new performance insight segment and a new dashboard to display key metrics, user engagement, and allow merchants to send promotional opportunities to existing users . This initiative increased platform usability and provided merchants with crucial insights into their performance.
- Migrated React components from JavaScript to TypeScript, improving code maintainability significantly.
- Managed to increase unit test and integration test coverage from 25% to 73%, greatly enhancing the reliability of our software.
- I also maintained and added GitLab CI/CD templates for efficient deployment on s3 and Kubernetes. As a result of these efforts, we streamline deployment for merchant facing products.

Merchant Platform

- I helped migrate older report generations to new consolidated reports using Kubernetes cron jobs and worker pods.
- Worked on solving scalability issues while integrating newer products into billing and reporting.
- I worked on data pipelines and handlers using Knative events and gRPC to pull data from upstream services, set up validation alerts, and documented steps for resolving issues with incoming data using DataDog and slack api for the operation team. Improving reliability and scale up the reporting service.
- My work also involved integrating with the internal needle portal to allow the finance team to manage billing and reporting. As a result, we streamlined the report generation and billing process significantly, increasing efficiency and data accuracy.
- Took initiative on automating the data patching and report regenerating with an internal api call, saving the engineering team from doing manual work.
- Monitored usage patterns and optimized cron jobs and worker pods scaling to reduce operational costs.

Moovaz, logistic — Consultant

April 2020 - Sep 2021

- Worked with frontend/backend engineers to build Dashboards, Assets/Vehicle Management and live tracking using React, Google Map, Websockets.
- Built Headless CMS using Strapi and NextJs and set up infra for CI/CD

Asiaone, news aggregator — Team Lead

Nov 2020 - May 2021

- Break down project tasks into actionable items and assign them to team members.
- Create and manage project schedules, milestones, and deadlines.
- Provide regular updates on project status, milestones, and any challenges to relevant stakeholders.
- Set clear expectations for team members' performance and goals.
- Mentor junior engineers, helping them learn and grow in their technical skills.

Asiaone — Full Stack Developer

Mar 2019 - Nov 2020

NewsLite

- I was tasked with the development of a microsite to present the latest news highlights. I've integrated a pre-trained AI model for summary content generation and deployed it as part of the main AsiaOne website. As a result, we delivered a user-friendly platform offering up-to-date news in an easily digestible format, increasing user engagement significantly.

General Election 2020

- Led the development of a single page react app to curate election news and allow readers to get more information about candidates belonging to their GRC. Integrated Mapbox to visualize the GRCs and candidates information. And allow the editorial team to update election information in real time.

Headless migration to Nextjs

- Collaborating with a team of product managers, designers, and developers, I was tasked with drupal 8 custom api integration, templating and layout using NextJs/Mobx.
- Built node microservices to handle mobile apps, Oembed integration and handle custom widgets and data transformation(newsletter subscription, search Instagram, mobile/frontend app configurations etc).
- Dockerized frontend/backend services and deployed on AWS fargate using CI/CD via bitbucket, allowing the application to scale easier and increasing uptime to 99% even under load.
- Configure nginx to proxy between backend and frontend, Varnish/Redis to cache contents. AWS SNS to trigger cache invalidation when changes are made in CMS.
- Configure Cloudfront to cache all the static assets saving huge volumes of bandwidth cutting infra cost down by 20%.
- Google DFP ads and third party scripts integrations on NextJs.

SPH magazines — Web Developer

Sep 2017 - Mar 2019

- Executed performance optimizations for SPH magazine sites, including code refactoring, reduction of file sizes on page load, and UX enhancements.

- Maintained and managed site infrastructure, encompassing AWS servers, databases, testing procedures, and code deployments.
- Collaborated with internal stakeholders to introduce new features, refine design, generate analytic reports, address bugs and security issues, and provide technical support for site-related concerns.

Mspiral, creative agency — *Web Developer*

Nov 2015 - Aug 2017

- Developed and maintained web systems for non-profit and government organizations, ensuring their digital presence is robust and reliable.
- Managed web servers and databases, ensuring optimal performance and security.
- Onboarded and mentored junior staff members and interns, fostering a conducive learning environment and promoting skill development.
- Conducted user training for clients and offered support for resolving technical issues, boosting client satisfaction and system usability

EDUCATION

Republic Poly, Singapore — *Specialist Diploma in Applied Artificial Intelligence.*

July 2022 - present

Murdoch University, Perth — *Bachelor of Science (Double Major in Computer Science and Info Security)*

Kaplan, Singapore — *Diploma in IT*