# NAY OO LWIN

Bangkok, Thailand

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## Language Skills & Citizenship

**Languages**: Fluent in English; Proficiency in Burmese and Tamil
**Nationality**: Myanmar

## Technical Skills

**Languages**: JavaScript, Python, Golang, HTML/CSS, NoSQL, SQL
**Tools/Utilities**: NodeJS, Mongodb, Mongodb Change Streams, Redis, Memcached, GraphQl, REST, supabase, celery, prisma, JWT Auth, React, CI/CD, Bull.js, RabbitMQ, apm, sentry, zerolog, Node-RED, websocket, unit test using jest, vitest, react testing library, docker, mqtt, OpenCV
**Frameworks**: Express.js, Sail.js, Next.js, Nest.js, Gin, FastApi, React, odoo, ROS and Gazebo

## Education

### JNTU College of Engineering Hyderabad, India                July. 2017 – May 2021
*Bachelor of Technology (Mechanical Engineering)*                *Hyderabad, Telengana*

## Experience

### Silent Partner                                               Dec 2024 – Present
*Fullstack Developer (full time, remote)*                        *United States*

- Worked on **CRM and DMS integrations** to nurture leads and convert them into potential customers
- Architected and maintained a flexible **FastAPI** backend system, seamlessly integrating diverse third-party APIs and services using a modular design and standardized error-handling protocols
- Developed multiple **OAuth configurations** for CRM systems to facilitate seamless client onboarding and effortless connectivity with our platform
- Designed and maintained internal portal features using **React** to meet varied business needs and deliver an intuitive user experience

### Tensorplex Labs                                              March 2024 – Nov 2024
*Backend Developer (full time, remote)*                          *Singapore*

- Developed and maintained **ethereum and substrate web3** wallet authentications flow that includes wallet and signature verification with message against the blockchain networks and developed **JWT auth** flow in **Gin Golang**
- Developed long running background jobs in **FastApi** using **celery** for loads of requests handling and **websockets** to notify user that task has been completed
- Took responsiblity of file storage migration from **supabase to S3 in FastApi**
- Maintaing Gin and FastApi backend systems for the RESTFUL APIs and background running services

### AYAPAY Digital Wallet (Ayeyarwady Bank Ltd.)                 May 2022 – May 2024
*Fullstack Javascript Developer (full time, on-site)*           *Yangon, Myanmar*

- Developed push notification microservice using **Express.js** and **firebase-admin**. Implemented scheduled cronjob to query all the tokens from the database once in a day and stored them in **Redis cache**. Implemented a **Redis based queue using Bull.js** to queue each 500 tokens to send via firebase-admin
- Worked on a **Nest.js** event-driven microservice architecture that watches insert/update database operations with **Mongodb Change Streams** to sync data with another database. The high frequecy data are triggered and added in Redis queue by avoiding duplication with locking mechanism. Added retry flow for any failed event to execute the job again
- Developed a instant cashback campaign application that is able to run multiple campaigns concurrently using **multi-threaded architecture** and made use of bull.js redis queue for each cashback handling in Express.js
- Worked on internal portals enhancements with **React** like creating forms using **form.io** and enhancing dashbaords and list views for better pagination and skeleton loading views
- Took responsibility of third-party services integration of online billers on **Node-RED** for request/verify payment transactions

**Global Connect Asia(ERP)**          **Dec 2021 – 2022 April**

*Odoo Web Developer (full time, on-site)*          *Yangon, Myanmar*

- Research and development of **Odoo** related technologies
- Designed and Customized Odoo modules based on clients needs by understanding their bussiness workflow
- Wrote and supported extended API and interfaces with other key business systems

**JdeRobot(open source)**          **Dec 2020 – 2021 Feb**

*Software Engineer Intern (internship, remote)*          *Spain*

- Developed a web-template with **ROS and Gazebo** for running autonomous navigation simulation
- Used **Gzweb** as server and let it communicate with **Gzclient** on web browser via websocket connection
- Used docker technology for running the server for less CPU and GPU comsumption
- Developed better UI only with Vanilla JS and CSS