

Nan Oo Hlaing

Backend Software Engineer

Contact Information

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Date of Birth: 21.1.1997

Gender: Male

Online Profiles

- Explore my professional background and network with me on LinkedIn: [\[LinkedIn Profile\]](#)
- Dive into my coding projects and repositories on GitHub: [\[GitHub Profile\]](#)
- To explore my work in detail, please visit my portfolio: [\[Portfolio Link\]](#)

Profile Summary GitHub Profile

I am a back-end software engineer with a strong passion for learning new technologies and a particular focus on developing robust software solutions. I am experienced in databases, server-side logic, interface and virtual design, and enjoy coding and problem solving. With a proactive and innovative mindset, I strive for optimization and excellence in all my projects. Committed to staying updated with the latest advancements in the field, I am dedicated to delivering exceptional results and contributing to the success of any team or project. Experienced backend Software Engineer with 4 years in enterprise-level service development within an ISP environment.

Education

University of Computer Studies, Yangon (2013 – 2019)

B.C.Sc (Bachelor of Computer Science)

Major – software engineering (SE)

Professional Experience

Company - Frontiir Co., Ltd (Internet Service Provider)

Position - Engineer (Grade - 5)

Duration - March 2023 – Present (full time)

Projects

- Developed and maintained multiple projects using Laravel and implemented performance critical components using Golang.
- Designed and implemented a cashback point system using Golang to enhance customer engagement and loyalty.
- Successfully designed and implemented a location-based promotion system for internet packages, tailoring marketing strategies to the specific needs and preferences of customers in different regions.
- Completed a successful integration project with Wave Money Myanmar, collaborating with their development team to ensure a seamless implementation.
- Set up monitoring logs and an internet package expiration tracker, providing useful insights into the system's performance and ensuring timely action against expiration-related issues.
- Collaborated with the product management team to define the new internet package, including its features, pricing, and target audience.
- Created and tested the API endpoints for the new package, ensuring they were correctly integrated with the existing API infrastructure.
- Coordinated with the front-end team to design and develop the necessary user interface for customers to purchase and manage the new package.
- Conducted code reviews and provided training sessions on Git and Laravel, improving the quality of team members' code and their technical skills.

Company - Frontiir Co., Ltd (Internet Service Provider)

Position - Senior Associate Engineer (Grade - 4)

Duration - November 2021 – March 2023 (full time)

Projects

- Optimized database structures and queries, ensuring data security and protection, and improved database performance, reducing system response time.
- Successfully integrated third-party solutions with major providers such as MyCanal, Conversant, iFlix, Viu and Coda Shop, ensuring seamless service delivery to customers.
- Designed and developed a Command Line Interface (CLI) for operational projects, streamlining system maintenance and management tasks.
- Proactively collected data from production for troubleshooting operational issues, ensuring smooth and uninterrupted service delivery to customers.
- Used Kafka and RabbitMQ as a message broker to ensure efficient communication between services applying an event-driven architecture, enabling smooth and seamless interactions between various components of the system.
- Developed and maintained various management systems, including product management, context management, user management, sale management, billing management, and API gateway, for the efficient and seamless delivery of services in the ISP platform.
- Successfully migrated a monolithic architecture RESTful API to a microservice architecture using gRPC, reducing system complexity and improving scalability and maintainability.
- Applied development architectures such as Laravel Caching, Middleware, OAuth token, Event Driven Architecture, Fail Job Architecture, Test Driven Development (TDD), and Agile Methodology Development Life Cycle.

Company - Frontiir Co., Ltd (Internet Service Provider)

Position - Associate Engineer (Grade - 3)

Duration - September 2019 – November 2021 (full time)

Projects

- Developed and maintained the backend API of an Internet Service Provider (ISP) platform, using PHP (Laravel), to provide seamless integration with mobile applications and web portals.
- Customized the Failjob mechanism to handle asynchronous job processing and error handling, resulting in improved reliability and efficiency of the system.
- Successfully completed internal integration projects that were pending for over 3 years, resolving long-standing technical debt and improving the overall performance and stability of the ISP platform.
- Collaborated with the ERP team to integrate the ISP platform API with the ERP system, enabling seamless data exchange, bill collection and process automation between the two systems.
- Collaborated with cross-functional teams, including front-end developers, QA testers, and product managers, to understand requirements and implement new features and enhancements to the API.
- Implemented RESTful APIs, incorporating best practices for API design and security, such as authentication, authorization, and data validation, to ensure data integrity and protect against security vulnerabilities.
- Utilized Laravel's built-in features, such as Eloquent ORM, Middleware, and Event handling, to optimize API performance and maintain code readability and maintainability.

Company - Frontiir Co., Ltd (Internet Service Provider)

Position - Internship (Grade - 2)

Duration - May 2019 – August 2019

Projects

- Developed a modern user interface (UI) for a recommendation engine using Angular framework.
- Learned Laravel Framework.
- Ensuring to understand web development life cycle such as requirements gathering, planning and design, front development, backend development, testing, deployment, maintenance and updates.

Programming Languages

- PHP (expert)
- Golang (intermediate)
- HTML/CSS (intermediate)
- JavaScript/TypeScript (intermediate)
- C# (basic)
- Java (basic)
- Python (basic)
- Shell Scripting (basic)

Databases

- Mysql (expert)
- Tidb (advance)

Frameworks

- Laravel Framework (expert)
- Angular Framework (intermediate)
- React (intermediate)
- ExpressJS (intermediate)

Technologies

- RabbitMQ (expert)
- Kafka (expert)
- Git (expert)
- RESTfull API (expert)
- Grpc/Proto buf api (advance)
- Docker (advance)
- Linux OS (advance)
- Redis Cache (advance)
- Agile Methodology (expert)
- Redmine Project Management (expert)

Language Skills

- Burmese (native)
- English (advance)

Reason For Leaving

- Seeking new challenges and opportunities for growth

Current Location

Yangon City, Myanmar

Notice Period

1 month

Current Salary

***** MMK

Expected Salary

(negotiable)