

# Thant Hein Thwin *Full-Stack Software Engineer*

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## PROFILE

Senior Full-Stack Software Engineer with 4+ years of experience delivering high-performance web and mobile applications. Adept in system architecture, backend optimization, and cross-functional collaboration. Proven track record of leading cloud-native solutions, building scalable microservices, and integrating AI workflows. Passionate about performance, automation, and developer experience.

## SKILLS

ReactJs | NextJs | React Native | Golang | TypeScript | JavaScript | Redis | PostgreSQL | MySQL | OracleDB | MongoDB | NodeJs | ExpressJs | C | C# | Java | Python | Docker | AWS | Cloud Computing | HTML | CSS | Coolify | Grafana | Prometheus | Loki | Sentry

## PROFESSIONAL EXPERIENCE

2024 – present  
Phuket, Thailand,  
(Based in Canada)

### Full Stack Engineer

*Empire Pixel*

#### Key Responsibilities & Achievements

- Customized PayloadCMS to support multi-site architecture and integrated Redis queues for AI-driven content creation (RAG-style).
- Architected EDD-based automation using 3 AI models: StormGPT, ChatGPT, and Gemini for scalable content generation.
- Migrated frontend from WordPress to Next.js with ISR and PayloadCMS as backend.
- Developed image optimization workflow using Redis queues and background jobs with S3 storage.
- Deployed Dockerized apps on Coolify with full observability (Grafana, Prometheus, Loki).
- Led and mentored developers across frontend, backend, and DevOps tasks.

#### Impact Highlights

- Boosted content production by **700%**, reducing cost from **\$1000 to \$5 per 100 posts**.
- Improved SEO and Core Web Vitals via image optimization and ISR architecture.
- Enhanced system scalability for 800+ dynamic pages/site under limited VPS resources.
- Increased team velocity by providing architectural guidance and unblocking dev tasks.

**Tech Stack:** React.js, Next.js, TypeScript, Node.js, Payload CMS, Strapi, MySQL, MongoDB, Redis, AWS, GCP, Docker, ExpressJs, Coolify, Grafana, Prometheus, Sentry, Stripe, Google Analytics, Clarity

2021 – 2024  
Yangon, Myanmar

### Mid Level Fullstack Software Engineer

*BigBee*

#### Key Responsibilities & Achievements

- Led performance optimization efforts, boosting app speed with SSR, hydration, caching, and rendering strategies using Next.js and React.
- Researched and integrated modern tech to enhance system architecture and align with evolving stack requirements.
- Built reusable, headless components for scalable and maintainable frontend architecture.
- Applied RxJS for reactive programming, improving responsiveness and user experience.

- Utilized TypeScript with generics and MVC/MVP patterns for modular code design.
- Strengthened backend workflows by implementing Golang middlewares, pipelines, and context handling.
- Automated processes using Redis queues to increase system efficiency and reduce manual effort.

**Tech Stack:** ReactJS, Next.js, React Native, TypeScript, RxJS, React Query, React Hook Form, TanStack Table, Expo, Golang, PostgreSQL, Redis, Hasura, Docker

2021 – 2021  
Australia

**Quality Assurance Engineer - Intern**  
*Armor Piercing Indie Games Production*  
**Key Responsibilities & Achievements**

- Contributed to game development using C# and Unity, building core gameplay mechanics and UI features.
- Collaborated on interactive elements to enhance player engagement and overall user experience.
- Designed polished UI components, contributing to a cohesive and immersive game feel.
- Managed version control with Sourcetree and participated in code reviews to maintain high code quality.

**Tech Stack:** C#, Unity, Sourcetree

**PROJECTS**

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05/2024 – 11/2024

**WealthSync**  
*Finance Management App*  
**Key Responsibilities & Achievements**

- Developed a cross-platform finance app using React Native and Golang.
- Integrated Firebase Auth for secure login and Stripe for premium subscription management.
- Implemented budgeting, expense tracking, and analytics dashboards.
- Added OpenAI-powered financial insights to personalize user experience.

**Impact Highlights**

- Enabled real-time budget control and financial health reporting.
- Delivered seamless multi-platform UX and reduced manual financial planning.
- Increased user engagement through AI-driven recommendations.

**Tech Stack:** React Native, Expo, TypeScript, Golang, Firebase, PostgreSQL, OpenAI, Stripe, Docker, GitHub, Postman

**EDUCATION**

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12/2023 – 12/2024  
Greenwich,  
United Kingdom

**Bachelor Degree with Honors in Computing**  
*University of Greenwich*

09/2022 – 09/2023

**Level 5 Diploma in Computing**  
*NCC*

12/2017 – 05/2020  
Mandalay, Myanmar

**Diploma in Electronic Communication and Engineering**  
*Myanmar Institute of Information Technology*

**LANGUAGES**

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**English**  
IELTS band score 7.5

**Burmese**