

Thant Hein Thwin

Full-Stack Software Engineer

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PROFILE

Fullstack Software Engineer with expertise in React, Next.js, Node.js, and Golang. Proven ability to build scalable web and mobile apps, backed by strong skills in TypeScript, SQL/NoSQL databases, and cloud-ready architecture. Focused on delivering clean, efficient solutions to complex problems.

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

PROFESSIONAL EXPERIENCE

09/2024 – present
Phuket, Thailand,
(Based in Canada)

Full Stack Engineer

Empire Pixel

Key Responsibilities & Achievements

- Built scalable web apps with Next.js, Express.js, and TypeScript; optimized SSR, SSG, and caching for speed and SEO.
- Led cloud deployments on AWS, GCP, and VPS; configured S3 for media storage and secured EC2 instances.
- Designed Docker-based CI/CD pipelines, reducing downtime and streamlining releases.
- Implemented Redis queues and AI-powered workflows (ChatGPT, Storm AI) for large-scale, automated content generation.
- Collaborated cross-functionally with SEO, UI/UX, and backend teams to deliver high-performance applications.

Impact Highlights

- Improved load times and Core Web Vitals through SSR and DB optimizations.
- Cut API latency with Redis caching and smarter queries.
- Reduced manual workload by **70% with AI-driven automation**.

Tech Stack: React.js, Next.js, TypeScript, Node.js, Payload CMS, Strapi, MySQL, MongoDB, Redis, AWS, GCP, Docker, ExpressJs

2021 – 10/2024
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

05/2024 – 11/2024

WealthSync
Finance Management App

A cross-platform finance app built to simplify personal budgeting, expense tracking, and financial planning—enhanced with AI-driven insights and premium features via Stripe.

Key Features

- **Secure Auth:** Firebase Google Authentication for seamless login.
- **Expense Tracking:** Categorized logging with detailed insights.
- **Budget Management:** Real-time budget control and alerts.
- **Analytics & Reporting:** Visual dashboards for financial health.
- **AI Financial Advice:** Personalized tips powered by OpenAI.
- **Stripe Integration:** Manage subscriptions for premium features.

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

EDUCATION

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

English
IELTS band score 7.5

Burmese