



AUNG HEIN THANT

Full Stack Developer



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Bangkok, Mandalay

Professional Summary

Full stack developer with proven experience building modern, scalable web applications across frontend and backend. Skilled in React, Next.js, and TypeScript for responsive UI development, and Java with Spring Boot for building clean, maintainable REST APIs. Strong understanding of software design principles (SOLID), object-oriented programming, and architecture patterns (MVC, MVVM). Experienced in Docker, cloud deployments (AWS, Vercel, DigitalOcean), and performance optimization with Nginx and Cloudflare. Passionate about delivering reliable solutions in collaborative, agile environments.

Professional Experience

Senior Backend Developer

TuTu Microfinance WCI Myanmar
Mandalay, Myanmar
May 2021 – Dec 2024

Contributed to the development of secure, scalable backend systems in a regulated microfinance environment serving thousands of customers. Focused on data integrity, performance, and operational reporting within a financial services context.

Key Contributions:

- Built and maintained RESTful backend APIs for internal dashboards supporting loan management, savings account tracking, and branch-level financial performance.
- Engineered real-time and scheduled reporting APIs to generate monthly, quarterly, and annual financial statements used by compliance officers and external auditors.
- Developed advanced T-SQL queries and stored procedures optimized for high-volume transactional data, improving speed and accuracy across millions of rows.
- Integrated secure hashcode mapping for customer identifiers and backend tables to enhance privacy and ensure data integrity.
- Participated in a major core banking system migration from MBWin software (based in Kathmandu, Nepal) to GBS software (based in Songpa-gu, Seoul, South Korea), contributing to backend integration, data validation, and transformation.
- Collaborated with IT and operations teams to train users on new system workflows and backend tools.
- Supported ongoing data security by refactoring legacy logic, tightening access controls, and implementing encryption-ready structures.
- Created backend components for financial automation tools, improving productivity for internal finance and audit teams.
- Applied index optimization and query refactoring to reduce report generation times and support executive dashboards.

Tech Stack:

Java Spring Boot · Microsoft SQL Server · T-SQL · REST APIs · Secure Hashing · MBWin · GBS Core Banking · Docker · Git · Financial Reporting · Data Migration

IIT Helpdesk - Intern

Carnival Cruise Lines
Miami, United States
Aug 2019 – Sep 2020

Delivered first-line technical support and system maintenance for staff and crew on international cruise vessels. Operated in a dynamic, time-sensitive environment requiring strong troubleshooting and communication skills.

Key Responsibilities:

- Provided Level 1 technical support for 100+ onboard staff, resolving issues related to hardware, software, and connectivity.
- Troubleshoot wired/wireless network issues across departments, ensuring smooth day-to-day operations.
- Assisted in monitoring and basic maintenance of Linux-based systems and onboard servers.
- Used internal ticketing systems to log, escalate, and track technical incidents.
- Participated in routine system health checks, hardware diagnostics, and device replacements.
- Maintained and supported VoIP phones, printers, and user workstations.
- Assisted with software deployments and updates across multiple teams.
- Communicated with remote IT supervisors and collaborated cross-functionally to resolve priority issues.

Key Skills:

IT Helpdesk Support · Linux System Basics · Network Troubleshooting · Ticketing Systems · Hardware Maintenance · VoIP · Team Communication

Education

Bachelor of Computer Science

University of Mandalay
Mandalay, Myanmar
Graduated: Jul 2018

- Acquired a strong foundation in core computer science principles including data structures, algorithms, discrete mathematics, and computer architecture.
- Gained proficiency in multiple programming paradigms and languages such as Java, Objective-C, C++, C#, PHP, HTML5, CSS3, and MySQL, enabling versatile software development skills.
- Developed hands-on expertise in web development technologies, database design and management, and object-oriented programming concepts.
- Completed a comprehensive capstone project on Sound Recognition System using Arduino microcontrollers, integrating embedded systems programming, signal processing, and hardware interfacing.
- Studied software engineering methodologies, including version control, debugging, and testing, to produce maintainable and scalable code.
- Explored foundational concepts of computer networks, operating systems, and software design patterns, preparing for real-world software development challenges.
- Participated in collaborative projects and presentations, enhancing teamwork, problem-solving, and communication skills critical for professional environments.

Skills

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|---------------------------|---|
| • Frontend | React, Next.js, TypeScript, Responsive UI Development, DOM Manipulation, Server-Side Rendering (SSR), Client-Side Rendering (CSR) |
| • Backend | Java, Spring Boot, RESTful API Design, Object-Oriented Programming (OOP), MVC & MVVM Architectures |
| • Software Design | SOLID Principles, Design Patterns, Maintainable and Scalable Code Architecture |
| • DevOps & Deployment | Docker, AWS, Vercel, DigitalOcean, cPanel |
| • Hosting & Performance | Nginx, Cloudflare, AWS S3, Web Performance Optimization |
| • JavaScript Fundamentals | Event Loop, Asynchronous Programming |

Expertise

- ERP Systems – UI & dashboard with React and Next.js
- HRM Systems – Backend with Java Spring Boot
- Core Banking – Data processing, architecture, reporting logic & advanced financial reports
- POS Systems – Stock, sales, barcode system and product features
- Google Apps & Excel – Scripts and automation tools
- BI Tools – Power BI and Tableau reports
- Betting Platforms – Real-time data and user bets
- Web Scraping – Data collection using Node.js tools

Key Competencies

- Full Stack Development: Proficient in building scalable web applications using React, Next.js, TypeScript, Java, and Spring Boot.
- REST API Design: Skilled in designing clean, well-structured APIs and integrating frontend-backend workflows.
- Database Management: Experienced in Microsoft SQL Server, MySQL, T-SQL, query optimization, and reporting automation.
- System Integration: Hands-on with ERP, HRM, POS, and Core Banking systems including MBWin and GBS.
- Software Architecture: Strong grasp of OOP, SOLID principles, design patterns, MVC/MVVM architectures.
- DevOps & Deployment: Familiar with Docker, Git, CI/CD pipelines; deployed apps to AWS, Vercel, DigitalOcean, cPanel.
- Cloud & Infrastructure: Experience with Nginx, AWS S3, Cloudflare, and web performance optimization.
- Automation & Scripting: Skilled in Google Apps Script, Excel automation, and basic web scraping tools.
- Team Collaboration: Effective in cross-functional teams, agile workflows, and communicating technical concepts.
- Security & Data Integrity: Applied secure hashing, data privacy techniques, and robust access control mechanisms.

Languages

- Burmese (Native)
- English (Professional Working Proficiency)
- Japanese (Basic – JLPT N5)

Reference

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