

MYO MYO KHANT

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SUMMARY

Results-driven Software Engineer with 4+ years of experience in full-stack development, AI-driven systems, and scalable business solutions. Proficient in Python, PHP, Java, and JavaScript, with expertise in Django, Laravel, React, and Spring Boot. Skilled in building high-performance applications, optimizing system efficiency, and integrating AI for automation. Passionate about scalability, cloud deployment, and data-driven decision-making, with a strong problem-solving mindset.

SKILLS

- **Programming Languages:** Python, PHP, Java, JavaScript, HTML, CSS, C++, C
 - **Frameworks & Libraries:** Laravel, Django, React, Spring Boot, LangChain, OpenCV, PySpark
 - **Databases:** MySQL, MongoDB, SQLite, PostgreSQL, Milvus, Chroma
 - **CMS & Tools:** WordPress, Webflow, Ghost CMS, Figma, Photoshop, Selenium, IBM SPSS
 - **Cloud & Deployment:** AWS, Vercel, Docker, CI/CD, Linux Servers
 - **AI & Data Science:** LLM, RAG, Recommendation Systems, Data Mining, Machine Learning
 - **Testing & Optimization:** RESTful API Development, Software Testing, Performance Optimization
 - **Soft Skills:** Problem-Solving, Analytical Thinking, Teamwork, Adaptability, Time Management
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WORK EXPERIENCES

Software Engineer | ATOM Myanmar

May 2024 - Present

- Design and develop scalable enterprise solutions for wireless broadband and other telecom services using Laravel (PHP) and MySQL, ensuring high availability and performance.
- Maintain and enhance the B2B sales application, gaining expertise in broadband architecture, sales user journeys, payment workflows, data quota management, and telecom service operations.
- Manage large-scale data processing in MySQL, implementing performance optimizations, indexing strategies, and secure transactions for multi-service systems.
- Engineer critical CMS features for call center support, including bulk ticket closing and inventory management, reducing complaint resolution time by 40%.
- Develop and optimize internal billing and reporting systems using Laravel and MySQL, reducing transaction errors by 30% and accelerating invoice and report processing.
- Deploy, configure, and maintain applications on Linux servers, ensuring stability, performance tuning, and security enhancements for large-scale telecom systems.
- Implement automated data processing workflows using Laravel queues and database optimizations, reducing processing time by 35% and ensuring high system availability.
- Improve broadband customer engagement by implementing reward programs, urgent promotions, and payment optimizations, boosting customer retention by 25%.
- Handle IT-related complaints from the call center, troubleshooting Wi-Fi data quota issues, payment failures, and system outages to ensure efficient problem resolution.

ML Software Engineer | Mascot Pte Ltd, Myanmar

June 2023 - Apr 2024

- Designed and developed an LLM-powered RAG-based recommendation system for a smart activity planner, delivering personalized daily activity suggestions for elderly users.
- Researched and evaluated traditional recommendation models (e.g., collaborative filtering, content-based) before finalizing LLM + RAG architecture for higher personalization accuracy.
- Built and optimized the end-to-end RAG pipeline, including embedding creation, vector similarity search (Milvus), and LLM response generation, improving recommendation relevance and efficiency.
- Developed and deployed the system using Dockerized Milvus, ensuring scalability and efficient vector search retrieval.
- Integrated React frontend with Django backend, enabling real-time personalized activity recommendations.
- Designed persona-based retrieval logic, matching user profiles with similar personas, automating daily activity suggestions and reducing manual planning by 60%.

Web Director | Digital Laboratory Myanmar

Aug 2022 - May 2023

- Developed and maintained multiple company websites using Ghost CMS, Webflow, and WordPress, ensuring responsive design and seamless user experience.
- Collaborated with designers and content teams to optimize UI/UX, improving website performance and engagement.
- Conducted SEO audits and ranking analysis using SERanking and Google Search Console, boosting search visibility by 20%.
- Managed and deployed company's websites, ensuring high availability and performance tuning.

Junior Software Test & QA Services | Ovaspace

Apr 2022 - July 2022

- Performed functional testing on ERP modules (Accounting, HCM, PAY, POS), identifying and reducing defects by 30%.
- Supported system implementation for clients, resolving technical issues and improving software stability.
- Prepared test cases, release notes, and reports, ensuring error-free deployments and smooth updates.

Freelance Software Developer

Apr 2020 - Present

- Delivering high-quality software solutions across various technologies, regardless of language, including AI-powered chatbots, machine learning, web development, image processing, and data analytics. Ensuring effective delivery of complex solutions that meet clients' needs.
- AI-Powered Chatbots: Developed and deployed the Food Buddy RAG Chatbot, integrating Messenger API, Django, and Milvus, to deliver real-time, personalized restaurant recommendations based on user preferences.
- Image Compression System: Designed an OpenCV-based image compression tool, optimizing both lossless and lossy techniques, achieving a 60% reduction in image size without compromising quality.
- Data Analytics and Machine Learning: Engineered a Market Basket Analysis System using PySpark, Apriori, and K-means clustering, empowering businesses to optimize product bundling and improve sales strategies.
- POS System Development: Built an advanced Smart POS System with Java Spring Boot and React Redux, streamlining sales tracking, and reducing inventory update time by 40%.
- Image Processing Application: Developed an all-inclusive image processing system using Python, OpenCV, and Tkinter. Features include Image-to-cartoon, Image-to-Text, brightness, blur, and contrast filters, enabling users to edit images and convert them into text.

EDUCATION

Bachelor of Computing Science, Software Engineering

University of Information Technology, Yangon

- Focused on software development, system design, and data analysis.
 - Awarded MCPA Academic Excellence Award for outstanding academic performance.
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LANGUAGES

- **Myanmar:** Native
 - **English:** Business Communication
 - **Japanese:** Conversational
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CERTIFICATIONS

- Information Technology Passport Certification – Myanmar Computer Federation
 - Fundamental Information Technology Engineer Certification – Myanmar Computer Federation
 - Django Web Framework – Meta
 - React Basics & Advanced React – Meta
 - Java Full-Stack Developer Specialization – Board Infinity
 - Databases for Back-End Development – Meta
 - Version Control (Git) – Meta
 - Python for Everybody – University of Michigan
 - Web Application Project Using PHP - Fujitsu
 - Building Web Applications in PHP – University of Michigan
 - Human-Computer Interaction (HCI) – ASEAN Cyber University
 - Maker Mentoring (IoT & Product Design) – KLab Myanmar
 - Java Full-Stack Developer Specialization – Board Infinity
 - Web Essentials – M3WI
 - Java for Android – Vanderbilt University
 - Programming with JavaScript - Meta
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