MYO MYO KHANT

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SUMMARY

Results-driven Software Enginee , AI & ML Developer with 4+ years of experience in full-stack development, AI-driven systems, and scalable business solutions. Proficient in Python, Django, Flask, FastAPI, Java, JavaScript, React js, Next js, Laravel and PHP, with expertise in LLMs, LangChain, and AI model integration. Experienced in designing, developing, and deploying AI applications, including chatbots, recommendation systems, and machine learning pipelines. Passionate about cloud computing, DevOps, and software automation, with a strong problem-solving mindset focused on scalability, cloud deployment, and data-driven decision-making.

SKILLS

- **Programming Languages:** Python, PHP, Java, JavaScript, HTML, CSS, C++, C
- **AI & Machine Learning:** LLMs, LangChain, NLP, Computer Vision
- **Frameworks & Libraries:** Django, Flask, FastAPI, React.js, Next.js, Node.js, Java Spring Boot, OpenCV, PySpark
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite, Milvus, Chroma
- **Cloud & Deployment:** AWS, GCP, Vercel, Docker, CI/CD
- **API & Integration:** REST APIs, Web Services, JSON, Apache, Tomcat, Git, DevOps
- **Data Engineering:** Large-scale data processing, ETL process, Feature Engineering
- **Testing & Optimization:** Unit Testing, Performance Optimization, AI Model Debugging
- **Soft Skills:** Problem-Solving, Analytical Thinking, Teamwork, Adaptability, Time Management

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 implemented an LLM-powered RAG-based recommendation system for a smart activity planner, improving personalized recommendations.
- 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 8+ company websites using Ghost CMS, Webflow, and WordPress, ensuring responsive UI and optimal user experience.
- Implemented UI/UX improvements, increasing website engagement and performance.
- Conducted SEO audits and competitor analysis, boosting search rankings by 20%.

Junior Software Test & QA Services | Ovaspace   Apr 2022 - July 2022

- Performed functional and regression testing on ERP modules (Accounting, HCM, PAY, POS), reducing software defects by 30%.
- Assisted in Agile testing processes, ensuring error-free deployments.

Freelance Software Developer   Apr 2020 - Present

- Develop and deploy AI-driven applications, including chatbots, NLP solutions, recommendation engines, and data analytics platforms.
- Build and optimize AI/ML models, working with LangChain for real-world applications.
- Develop scalable Microservices using Spring Boot, Django, and FastAPI, integrating AI into cloud-based solutions (AWS, GCP, Azure).
- Manage large datasets for AI training, applying data cleaning, feature engineering, and preprocessing techniques to improve model performance.
- Implement and maintain CI/CD pipelines, ensuring seamless deployment of AI models and web applications.

EDUCATION

Bachelor of Computing Science, Software Engineering

University of Information Technology, Yangon
- Focused on AI, machine learning, software development, and data analysis.
- Awarded MCPA Academic Excellence Award for outstanding academic performance.

LANGUAGES

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

SELECTED PROJECTS

Food Buddy Chatbot
- Tech Stack: Python, Django, LangChain, Milvus, Messenger API, Mongo,GCP
- Description: Developed an AI-driven chatbot that provides real-time restaurant recommendations in burmese by integrating RAG (Retrieval-Augmented Generation) techniques, natural language processing, and vector-based search for enhanced user interaction.

Go Go - Elderly Recommendation System
- Tech Stack: Python, Restful API,Django, LangChain, Milvus, React.js, Mongo, AWS, Vercel
- Description: Created an AI-powered smart activity planner that delivers personalized recommendations based on LLM embeddings, historical user data, and real-time feedback mechanisms to enhance elderly user experience.

Sale Application & Broadband System
- Tech Stack: Laravel, React.js, MySQL, Linux, PHP
- Description: Developed and enhanced a B2B sales platform supporting broadband subscription processes, data quota management, and payment integrations, optimizing operational workflows and transaction efficiency.

Image Processing & Compression System
- Tech Stack: Python, OpenCV, TensorFlow, FastAPI, ML Algorithms, Computer Vision
- Description: Built an AI-powered image processing tool featuring image-to-cartoon conversion, text extraction, compression algorithms, and real-time enhancements, improving efficiency in digital content processing.

Smart POS System & Market Basket Analysis
- Tech Stack: Java Spring Boot, React, PostgreSQL, PySpark, ML algorithms
- Description: Developed a POS system integrated with AI-driven analytics, automating sales tracking, demand forecasting, and inventory management, alongside a recommendation engine for product bundling using Market Basket Analysis techniques.

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