

Myo Myo Khant

Software Developer



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About Me

Passionate software engineer with strong knowledge of both front-end and back-end development. Experienced in testing methodologies and proficient in Python, Java, and JavaScript, applying strong OOP principles and algorithmic problem-solving. Proven ability to deliver comprehensive solutions using frameworks like React, Spring Boot, Django, and databases like MySQL, MongoDB, and PostgreSQL. Skilled in Git and CI/CD practices. Thrives in fast-paced, collaborative environments and is committed to continuous learning.

Education

University of Information Technology, Yangon
Software Engineering (2017–2024)

B.E.H.S (I) Taunggyi, Shan State
5th Grade - 10th Grade (2010 - 2016)

Language

Burmese	●	●	●	●	●	●
English	●	●	●	●	●	●
Japanese	●	●	●	●	●	●

Technical Skills

Python	Java	Spring Boot	Django	C++	PHP	JavaScript	React	Angular	CSS	HTML	Bootstrap
SEO	Ghost	Wordpress	Webflow	UI/UX	Figma	MySQL	Postgres Sql	NoSql	MongoDB	Research	
AWS	Vercel	Chef	Testing	Data Analysis	Apache PySpark	IBM SPSS	Arduino	Raspberry PI	Agile		
Git Hub/Git Lab	2D/3D Design	OOP	Restful API	Redux	Selenium	SERanking					

Experience

Software Developer

2023–Present

Freelance

- Building an Intelligent Retail System with Spring Boot RESTful API (backend) and React (frontend), demonstrating full-stack development expertise in JWT Spring Security, Redux, and data mining techniques like association rule.
- Proficiently developed diverse projects like an Image Recognition System and a Lost and Found System using Python, Django, OpenCV, etc.
- Conducted Market Basket Analysis using Data Mining Algorithms, Apache PySpark, and PostgreSQL, delivering actionable insights to optimize marketing strategies.
- Collaborated effectively within teams to ensure project success and meet client requirements.

Experience

Web Director	2022–2023
Digital Laboratory Myanmar Full Time	
<ul style="list-style-type: none">Managed a portfolio of at least 8 websites, ensuring high-quality results and timely project completion by facilitating seamless communication across diverse teams in Japan and Myanmar, including customer success, content, design, marketing, and development.Oversaw UI/UX and website updates for key company domains such as Dxable.com, ImplementDigital.com, and Generative.com, prioritizing an optimal user experience.Conducted extensive research on industry-leading CMS tools like Webflow and Ghost, as well as automated testing tools such as Selenium, to enhance website performance. Through this process, Mastered Webflow, Ghost, and WordPress to successfully build and manage sites, including notable projects like Dxable.com and Generative.com.Made significant contributions to the SEO team by actively monitoring website rankings using tools like SERanking, Google Search Console, and Google Analytics. Identified improvement opportunities and implemented effective strategies, generating impactful weekly reports to drive continuous optimization efforts.	
IT Research Assistant	2021–Present
Dr. Aung Pyae (SE, Chulalongkorn University, Thailand) Part Time	
<ul style="list-style-type: none">Managed and supervised survey experiments, including a comparison of Generative AI tools such as ChatGPT and Google Bard, and an image-to-text tool like OpenAI's DALLE usability study with 30 participants, ensuring participant engagement and smooth operation.Conducted the ETL process for survey data and analyzed collected data using statistical methods and IBM SPSS, generating insightful interpretations.Collaborated on drafting research papers such as "Covid-19 & Social Media," "VR & Social Interaction," and "Non-native English Speakers' Perceptions of Voice User Interfaces: A Usability Study," published in IEEE. Ensured adherence to academic standards, contributing to high-quality scholarly work.	
Junior Software Test & QA Services	2022
Ovaspace Full Time	
<ul style="list-style-type: none">Primarily responsible for testing key ERP modules (Accounting, Attendance, HCM, PAY, POS) and mastered their business logic, ensuring weekly updates were error-free.Delivered weekly updates to the customer base in Singapore and provided customer support tailored to their queries.Prepared comprehensive test releases and documented test results for ERP system modules to ensure thorough quality assurance.Additionally, facilitated the implementation of customer data into the ERP system to streamline operations and enhance user experience.	
Programming Lecturer	2022
Freelance	
<ul style="list-style-type: none">Instructed students on the intricacies of Programming concepts, Website Development, and Database Management, covering topics such as HTML, CSS, MySQL, JavaScript, and Bootstrap.Developed weekly lecture slides and facilitated hands-on experiences to enhance student learning.	
Teaching Assistant	2021–2022
Dr. Aung Pyae (SE, Chulalongkorn University, Thailand) Part Time	
<ul style="list-style-type: none">Researched and created lecture slides covering Programming, Design Thinking, and Management topics.Evaluated student papers and crafted challenging mini-exam questions for assessment.Analyzed IT course data to identify trends and areas for improvement.	

Featured Projects

SalesCraft Pro – Intelligent Retail Suite[↗](#)

In Progress

- SalesCraft Pro, my personal project, offers a user-friendly interface for point-of-sale tasks and comprehensive retail management.
- Built with React for a seamless front-end, Redux for efficient state management, and Spring Boot RESTful API for reliable backend operations, all supported by MongoDB.
- Additionally, SalesCraft Pro includes an integrated reporting section, harnessing advanced data mining techniques to deliver actionable insights, enabling effective optimization of retail operations.

I-mage : Image Processing Application[↗](#)

2023

- I-Mage is a standalone image-processing application developed with Python, Tkinter, and OpenCV.
- It features a user-friendly interface for tasks like image-to-cartoon conversion, text extraction, and basic adjustments such as brightness, blur, and contrast.
- Developed as part of a 5-member team, my primary focus was on backend development, specializing in integrating functions while also handling image-to-cartoon conversion and text extraction.

Hi-Find : Lost & Found Portal[↗](#)

2023

- Led a 5-member team in developing Hi-Find, an academic lost-and-found platform.
- Utilizing Node.js for an interactive chat feature and HTML/CSS/Bootstrap for a seamless interface, we ensured a user-friendly experience. With a versatile Python core and efficient MySQL database management, the platform operates smoothly.
- My main focus was on integrating backend components, developing the CRUD system, and ensuring a user-friendly interface.

Ecommerce Consumer Behavioral Analysis[↗](#)

2023

- Conducting an in-depth analysis of online shopping behaviors and purchasing patterns through data mining algorithms to extract valuable insights for e-commerce platforms.
- Primarily focusing on Customer Segmentation Based on Product Categories using K-means Clustering, and Identification of Items Frequently Bought Together using the Association Algorithm – FP Growth with custom data from Amazon.
- Leveraging Python and data science libraries, I executed the ETL process and analysis on extensive datasets, scaling with Apache PySpark and storing data in PostgreSQL.

Speech Recognition and Smart Door Lock System[↗](#)

2019–2020

- An IoT smart home project was showcased, featuring a cutting-edge face recognition door lock system and an intuitive voice-controlled home assistant.
- It utilized Raspberry Pi, Python, OpenCV for face recognition, and voice recognition through the Google Home Assistant API.
- Collaboratively planned, programmed, and designed with a fellow member, the project was successfully showcased at Maker Faire 2019, held at MICT Park, receiving positive feedback from tech enthusiasts.

Ferry Management System[↗](#)

2019

- A ferry management system provides efficiency by streamlining driver and passenger assignment, enabling real-time ferry tracking, and facilitating smoother communication with parents and drivers for a state school setting.
- Built with a PHP backend and an HTML/CSS/JS frontend, the system offers robust security through advanced authentication and utilizes SMS functionality for timely updates.
- Designed collaboratively with team members, I took the lead on backend development and data model planning.

Featured Projects

Robotic Car for Competiton [↗](#)

2018–2019

- A robotic car, primarily constructed for competition in COR Robotic Games and AC Robotic games, utilizing C language and Arduino hardware.
- The project involved meticulous planning and design of 2D and 3D components for laser cutting and 3D printing.
- Collaborating with a team of four, I played a key role in robot design, programming, and team leadership, leading us to second place at the AC Robotic Games.

University Search Engine [↗](#)

2018

- A standalone Java application designed to seamlessly provide information for a university in Myanmar, constructed primarily with Java and Java GUI components.
- Collaborating closely with the team, I assumed a leadership role, focusing on data structure implementation, developing main components, and integrating the project.

Drawing Machine [↗](#)

2018

- The Drawing Machine autonomously creates drawings and signatures from user input, stemming from the Maker Mentoring Program which offered training in product design, 2D/3D design, and laser cutter/3D printer operation.
- Leveraging these skills, the Drawing Machine was meticulously built using C and Arduino hardware kits, showcasing seamless integration of technology and creativity.

[View my all projects ↗](#)

Technical Competitions and Achievements

ICPC Programming Contest

Reached level 3 of 4 (Asia Region) • 2018–2019

Maker Fest 2019 Robot Game

Won 2nd prize • 2019

MCPA Academic Excellence Award

Issued by MCF • 2018

Microsoft PowerPoint Competition

Reached level 2 of 3 • 2019

Maker Circle : IOT Projects Making

KLab • 2020

COR Robot Competition 2019

MCPA • 2019

Personal Skills

Referee

- Creativity
- Design Thinking
- Problem-Solving
- Leadership
- Communication Skills
- Teamwork
- Project Management

Dr. Aung Pyae, Lecturer, International School of Engineering, Faculty of Engineering, Chulalongkorn University, Bangkok,
Thailandaung.p@chula.ac.th

Certification

Fundamenta Information Technology Engineer Certification

Issued by MCF • 2020

Back-End Developer Professional Certificate

Issued by Meta • 2023-Present

Django Web Framework

Issued by Meta • 2023

Programming with JavaScript

Issued by Meta • 2023

Web Essentials

Issued by M3WI • 2018

Java for Android

Issued by Vanderbilt University • 2021

Java FullStack Developer Specialization

Issued by Board Infinity • 2023

Web Application Project Using PHP

Issued by Fujitsu • 2019

Human Computer Interaction

Issued by ASEAN Cyber University • 2019

Maker Mentoring

Issued by Klab Myanmar • 2018

Create a Website Using Wordpress

Issued by Coursera • 2022

Write Professional Emails in English

Issued by Georgia Institute • 2021

The Science of Success

Issued by University of Michigan • 2020

Get Started with Figma

Issued by Coursera • 2022

Information Technology Passport Certification

Issued by MCF • 2019

Front-End Developer Professional Certificate

Issued by Meta • 2023-Present

Python for Everybody

Issued by University of Michigan • 2020

React Basics & Advanced React

Issued by Meta • 2023

Principles of UX/UI Design

Issued by Meta • 2023

Java Enterprise Edition (EE)

Issued by Learn Quest • 2024

Databases for Back-end Development

Issued by Meta • 2023

Building Web Applications in PHP

Issued by University of Michigan • 2020

Understanding Research Method

Issued by University of London • 2020

Version Control

Issued by Meta • 2023

Build Your First Android App

Issued by Coursera • 2020

Speak English Professionally

Issued by Georgia Institute • 2021

Finding Purpose and Meaning In Life

Issued by University of Michigan • 2020