

CHANG CHEE YOUNG

AI/ML Developer & Technical Project Manager

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GitHub Repo: github.com/LEMSingapore

Singapore | Available for Remote/Hybrid Work

PROFESSIONAL SUMMARY

AI/ML Developer and Technical Project Manager with 20+ years in enterprise software development and 2+ years specialised in machine learning and data science. Recently completed comprehensive AI/ML training with hands-on experience in predictive analytics, cloud-based ML workflows, and NLP applications. Combines deep technical programming skills with proven project management expertise to deliver scalable AI solutions for enterprise environments. Expertise in Python, TensorFlow and AWS ML services.

AI/ML SKILLS & TECHNOLOGIES

Machine Learning: Supervised/Unsupervised Learning, Deep Learning, Neural Networks, NLP, Computer Vision, Predictive Analytics, Model Training & Deployment

Programming Languages: Python, SQL

ML Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Keras,, NLTK, SpaCy

Cloud ML Platforms: AWS SageMaker, AWS Lambda, EC2, S3 and Bedrock

Data Tools: Jupyter Notebooks, MySQL

Development Tools: Git, VS Code

Visualization: Matplotlib, Seaborn

AI/ML EDUCATION & CERTIFICATIONS

Comprehensive AI/ML Training Program (Oct 2023 - Aug 2025)

2-year intensive program covering machine learning algorithms, cloud-based AI solutions, predictive analytics, and NLP techniques for business applications.

Comprising:

1. Post-Diploma Certificate in Cloud-Based Machine Learning (Specialist Diploma Completion in Aug 2025)

Temasek Polytechnic, September 2025

Focus: AWS ML workflows, cloud deployment, NLP applications, Generative AI applications

2. Specialist Diploma in Data Science (Artificial Intelligence)

Singapore Polytechnic, September 2024

Focus: Machine learning algorithms, predictive modelling

Additional Technical Certifications:

- Project Manager Professional (PMP)
- Certified ScrumMaster (CSM)

AI/ML PROJECTS & TECHNICAL EXPERIENCE

Recent AI/ML Development Projects (2023-2025)

- **Predictive Analytics Platform:** Developed machine learning models for financial risk assessment using Python, Scikit-learn, and AWS SageMaker
- **NLP Text Classification System:** Built a sentiment analysis tool for movie review processing using TensorFlow and NLTK
- **Cloud ML Pipeline:** Implemented end-to-end ML workflow on AWS with automated model training, validation, and deployment

PROFESSIONAL EXPERIENCE

Brdge P2P Lending (Contract) | September 2021 - April 2022

Senior Technical Project Manager

- Led development of fintech platform using modern tech stack, including WordPress with custom frontend + jQuery widgets and cloud services
- Implemented data analytics pipeline for risk assessment and user behavior analysis
- Managed technical architecture decisions for scalable lending platform

DBS Bank (Contract) | August 2016 - March 2017

Technical Delivery Lead - Digital Banking

- Led cloud migration prototype to AWS for customer-facing web applications
- Implemented microservices architecture using containerization
- Delivered scalable solutions proof-of-concept serving 3M+ digital banking customers

Infocomm Development Authority of Singapore | April 2010 - June 2012

Project Lead - e-Litigation System

- Architected and delivered USD 30M government digital transformation project
- Led technical team developing document management and workflow automation system
- Implemented .NET/SharePoint solution serving Singapore judiciary
- Managed integration with legacy systems and data migration

TECHNICAL ACHIEVEMENTS

- Led digital transformation projects worth \$200M+ across Asia Pacific over 20 years
- Achieved 99.9% uptime for critical financial systems serving 3M+ customers

CORE COMPETENCIES

Machine Learning Engineering • Deep Learning • Natural Language Processing • Computer Vision • MLOps • Data Pipeline Development • Technical Leadership • Solution Architecture

TRADITIONAL EDUCATION

Master of Science in Project Management - National University of Singapore, 2009

Bachelor of Arts (Honours) in Philosophy & Mass Communications - National University of Singapore, 1995

REFERENCES

Technical and professional references available upon request