Wai Yan Khine Myo

Singapore – Residency Status: Singapore Permanent Resident (SPR)

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Summary

Experienced Software Engineer and Cloud Architect with proficiency in JavaScript, TypeScript, Python, front-end frameworks (ReactJS, VueJS), server-side technologies (Django, Flask, FastAPI), and cloud solutions (AWS, Azure). Experienced in full-stack development, designing cloud-native solutions, and leading cloud migration projects.

Experience

Senior Consultant, Journey to Cloud

NCS Group   May 2022 – Present

• Collaborated with multiple government agencies, offering business value consulting services; specialized in cloud solution architecture and design on AWS & Azure. Authored proposals and delivered presentations highlighting expertise in Semantic Search Engines & IDP solutions, partnering with industry leaders like LucidWorks, OpenText, Laiye, and ABBYY.
• Conducted customer workshops with government entities to identify business needs and pain points and subsequently drove rapid POC development initiatives.

Led On-prem Data Migration to Azure GCC Project for a Large Government Educational Institute

• Led multiple project areas, mastered Government on Commercial Cloud GCC2.0 Architecture Design on-the-job for client infra discussions.
• Led a team in migrating on-prem databases, SSIS ETL pipelines to Azure, application modernization of existing on-prem cloud data platform using modern tech stacks with Azure native services and implementing a Data Science sandbox.
• Cloud data platform was developed using ReactJS and Azure Serverless Functions, Azure Data Factory and Data Bricks, enabling non-technical users to manage large datasets and ETL processes.
• Designed and implemented data anonymization and archival ETL pipelines using Azure Data Factory and storing data in Azure Data Lake Storage Gen2.
• Established a Data Science Sandbox using JupyterHub in Docker containers, supported by Azure Linux VM scale set. Created custom notebook templates with widget UI elements within notebooks to simplify access to machine learning functionalities for novice users.
• Deployed Azure DevOps Server and developed build/release pipelines integrated with automated SCA and SAST.

Tech stack: Azure Data Factory, Data Bricks, SSIS, Azure Serverless Functions, Azure DevOps, ReactJS, MS SQL DB, Azure SQL, ODBC, Pandas, Linux (RHEL), Postman, JMeter, Lighthouse

Software Developer Manager

Novade Solutions   Feb 2021 - May 2022

• Led a team of 5 developers (both local & remote) in the design, development, coding, testing
and debugging of Novade Enterprise platform and product owner of core modules: Quality,
Safety, People & Workforce of the platform.
• Enhanced team productivity by implementing a technical debt roster, assigning a dedicated time for
developers to clear tech debts. Facilitated feedback sessions to understand and remove roadblocks,
enabling developers to focus on core tasks. Actively involved in bug analysis and ensured adherence to
client SLAs, leading to increased customer satisfaction.
• Developed custom projects for key clients, example: project cost tracking application & dashboards for
UP-Bihar National Expressway project of India.
• Managed and maintained Azure public cloud infrastructure, ensuring resource optimization, and promptly
  addressed and resolved arising technical issues.

Tech stack: Azure, UpviseJS, JavaScript, TypeScript, Linux (Ubuntu), Postman

Application Developer

National University Health System   Sep 2020 - Feb 2021

• Designed a serverless clinical AI chatbot leveraging Amazon Lex, Amazon Elasticsearch, and Lambda
functions to address FAQs and coordinate patient appointments. The chatbot was integrated with
WhatsApp through Twilio APIs for seamless communication. Developed the front-end using Vue.js for
enhanced user experience.
• Developed real-time chat modules for patients to interact with doctors and clinicians using web
sockets and a containerized Django server in Docker, deployed on an AWS EC2 instance. This
implementation significantly improved patient care and streamlined communication.

Tech stack: Amazon Lex, Amazon Elasticsearch, Lambda, AWS EC2, Docker, Vue.js, Django,
Twilio APIs, Linux (Ubuntu), Postman

Technical Specialist

Micron Technology   Mar 2016 - Feb 2020

• Led and mentored a team of 8 technicians, initiated improvement projects, and solved complex
equipment issues.

Sales Engineer

SMC Singapore – SAMVIPC   Jul 2014 - Mar 2016

• Managed key clients and distributors, increasing total sales by 15%, and resolved technical and quality
  related matters for customers, ensuring customer satisfaction.

Education

National University of Singapore
Graduate Diploma, Systems Analysis   2020 – 2021

Coventry University
Bachelor of Engineering with Honors, Mechanical Engineering   2015 - 2017

Ngee Ann Polytechnic
Diploma, Automation & Mechatronics Systems   2011 – 2014

Projects & Hackathons

Open-Source AI Hackathon: Doc Search AI - April 2023

• Co-developed 'Doc Search AI' in a 48-hour hackathon hosted by lablab.ai.
• The solution uses GPT-2 model to convert complex natural language queries into Elasticsearch queries.
• One notable use case involved processing queries like "companies with more than 10 million in annual revenue", with the system successfully returning relevant annual earnings reports.
• Built the backend with FastAPI and Elasticsearch and the frontend with React.JS.

[Application Demo Link](#)

Licenses & Certifications

AWS File Storage Specialized – Issued Oct 2022 ([Credential Link](#))

AWS Certified Developer – Associate – Issued Oct 2021 - Expires Oct 2024 ([Credential Link](#))

AWS Certified Solutions Architect – Associate – Issued Jul 2021 - Expires Jul 2024 ([Credential Link](#))

AWS Certified Cloud Practitioner – Issued Nov 2020 - Expires Oct 2024 ([Credential Link](#))

Microsoft Certified Azure Fundamentals – Issued Nov 2021 ([Credential Link](#))

IBM Data Science Professional Certificate – Issued Nov 2020 ([Credential Link](#))

Google Advanced Data Analytics Certificate – Issued May 2023 ([Credential Link](#))

ABBYY Vantage Certified Business Analyst – Issued Oct 2022 ([Credential Link](#))

ABBYY Vantage Advanced Designer – Issued Oct 2022 – Credential ID 134723