Wei Hong, Chang

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Bachelor of Computer Science (Software Engineering) with Honours @ Universiti Malaysia Pahang

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PROFESSIONAL SUMMARY

Backend-focused Software Engineer and Technical Lead experienced in **AI-assisted development** and building **scalable systems** across **multi-cloud environments**. Skilled in backend architecture, API integration, and performance optimization, delivering reliable and maintainable solutions for enterprise, government, and startup projects. Experienced in both server-based and serverless application development, combining deep engineering expertise with **AI-driven productivity** and strong delivery ownership.

PROFESSIONAL EXPERIENCE

MetLife (en.wikipedia.org/wiki/MetLife) - **Software Engineer**   **Dec 2022 - Present**

- Contributed to a Lead Management System (LMS) that achieved **USD 1.4 M in annual cost savings** for MetLife Bangladesh and led the regional rollout for Nepal, customizing features and integrations to meet local business and regulatory needs under SAFe development standards.
- Developed and maintained **Java Spring Boot backend APIs** on **Azure Cloud**, integrating MSSQL, Redis, and cloud-native services such as Key Vault, Application Insights, Azure Kubernetes Service (AKS), and Azure DevOps CI/CD to deliver secure, scalable, and observable systems.
- Designed and developed the Adapter system, enabling **seamless data exchange between the Asia Data Platform and downstream applications** (MARS, KITE, LMS); **implemented automation features** to reduce manual data handling across regional operations.
- Selected as a **Global Hackathon Finalist** under MetLife's **special recruitment** program; led a reduced team to complete the challenge and present the final solution to global CIOs and senior leadership.

Comp (getcomped.co) - **Tech Lead**   **Feb 2023 - Dec 2024**

- Took over **technical leadership** during team transition, maintaining delivery continuity and upgrading deployment and infrastructure processes.
- **Improved backend deployment workflow** by introducing structured Zappa-based serverless releases on AWS, replacing ad-hoc manual copy methods and reducing release errors.
- **Provisioned and managed AWS resources** using **Infrastructure as Code (IaC)** with Terraform, standardizing environment setup and enabling consistent, auditable infrastructure changes.
- **Configured key platform services** including AWS Cognito (authentication), CloudFront (caching), and FCM (mobile notifications), and supported iOS TestFlight release integration for cross-platform delivery.

G-AsiaPacific (g-asiapac.com) - **Cloud Engineer**   **Sep 2021 - Nov 2022**

- Developed an **AWS Textract OCR microservice**, cutting manual document effort by ≈ 80 % for IGB Berhad.
- Built a **GCP** Text-to-Speech microservice for UUM and contributed to an IoT data pipeline using Pub/Sub and BigQuery, improving analytics and reporting for logistics data.
- Led a **government dashboard** POC using **Amazon QuickSight**, ingesting and visualizing education data in collaboration with AWS.
- **Engineered and operated end-to-end infrastructure** — servers, databases, VPCs, load balancers, networking, security — to deliver scalable, secure deployments and ongoing client support.

Coreka (coreka.co) - **Web Developer**   **Sep 2020 - Aug 2021**
Speedhome (speedhome.com) - **Intern Backend Developer**   **Mar 2020 - May 2020**

CERTIFICATIONS

AWS Certified Solutions Architect – Professional	**Microsoft Certified: Azure Administrator Associate**
AWS Certified Solutions Architect – Associate	**Microsoft Certified: Azure AI Engineer Associate**
AWS Certified Cloud Practitioner	Microsoft Certified: Azure AI Fundamentals
ACA Cloud Computing Certification	Microsoft Certified: Azure Fundamentals
Alibaba Cloud Professional (ACP) - Cloud Computing	Microsoft Certified: Azure Data Fundamentals
Certified SAFe® 6 Architect	Google Cloud Certified - Cloud Digital Leader
	Certified SAFe® 6 Practitioner