

Md. MAZHARUL ANWAR

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SUMMARY OF QUALIFICATIONS

Experienced Engineering Manager with Expertise in Technology Infrastructure Enhancements, Leadership, and Software Architecture.

- ✓ Over 10 years of IT experience **designing innovative strategies and business/IT** plans that showcase a broad spectrum of highly complex information systems, cloud services, modern technical tools, and software architecture.
- ✓ **Empowers and mentors talented and high-performing teams** by promoting organisational-wide productivity and a positive work environment. Encourages open communications and inspires new ideas for advancing key initiatives.
- ✓ **Serves as a thought leader and visionary** to provide a deep understanding of AWS and Azure cloud platforms, ensure the timely delivery of products, and drive continuous success by scaling startups and transforming delivery culture.
- ✓ **Outstanding technical expertise:** capable of developing and documenting architecture patterns and best practices to ensure data protection, optimize infrastructures, and curating enterprise-wide technical solutions that mitigate risks, streamline performances, and improve service delivery within high-pressure, fast-paced, agile environments.
- ✓ **Display patience, a strong work ethic, and consummate professionalism** during the design, deployment, maintenance, and/or troubleshooting of various systems, software, platforms, and cloud services.
- ✓ **An interpersonal and collaborative communicator** who translates complex concepts for technical, business, and non-technical audiences, clients, and teams.

CORE QUALIFICATIONS

Software Architecture | Platform Architecture Engineering & Management | Software Development & Architecture | Technical Leadership | Agile Methodologies | Stakeholder Management | Complex Problem Solving | Cross-Functional Team Leadership | People Management | Team Training & Development

PROFESSIONAL EXPERIENCE

[PICKLES AUCTIONS](#) | Kuala Lumpur, MYS

3/2021 to Present

HEAD OF ENGINEERING - DIGITAL (7/2022 to Present)

GROUP TECHNOLOGY MANAGER (3/2021 to 6/2022)

- **Elevate and Amplify:** Lead a sweeping transformation and substantial expansion of Pickles Centre of Excellence for Engineering in Malaysia, driving an exceptional **5-fold** growth trajectory. This pivotal role involves orchestrating the formulation and execution of dynamic digital engineering strategies, orchestrating multifaceted technology and product streams, and steering the end-to-end creation, launch, and operation of an extensive range of digital engineering platforms.
- **Implemented Shift-Left Culture:** Successfully advocated for and executed a "shift-left" cultural transformation, fostering a proactive approach to software development. Introduced self-service platform engineering tools that led to the rapid identification of vulnerabilities, significant improvements in software quality, coverage, and DORA metrics. This initiative resulted in a remarkable **5x acceleration** in vulnerability detection and an impressive **50% reduction** in technical debt compared to prior practices.
- **Pioneering Platform Engineering Transformation and Revolutionizing Operational Efficiency:** Led a monumental shift from DevOps engineering to a dynamic Platform Engineering philosophy. Orchestrated the creation of internal tooling, automation, Site Reliability Engineering (SRE) practices, DevOps practices, Infrastructure as Code (IaC), Observability, and AI Ops. This transformation eradicated reliance on specialized application ops personnel, reducing team dependencies and fortifying operational resilience. As a result, operational efficiency surged with a remarkable **10-fold acceleration** in identifying operational, scaling, and distributed system issues. Simultaneously, achieved an impressive **40% reduction** in cloud costs, spotlighting the transformation's strategic impact.
- **Key Role in Digital Transformation:** Played a pivotal role in delivering a pivotal component of Pickles Selling and Financing (Microsoft D365), spearheading our organization's complete digital transition. Executed a comprehensive "big bang" strategy that centralized operations, enabling enhanced decision-making through improved data collection. This initiative facilitated expedited value delivery to both buyers and vendors, ushering in a fully digital era for the organization.
- **Venture CTO Responsibilities:** Acted as the Venture Chief Technology Officer, overseeing dual product portfolios:

- Spearheaded the comprehensive revamp of mobile and website for Pickles Auction Malaysia, driving legacy transformation, ensuring system stability, and propelling exponential growth while enabling swift customer value delivery.
- Orchestrated the redevelopment of the Carzapp mobile app with Flutter, concurrently establishing a thriving mobile ecosystem that significantly augmented Pickles' technological landscape.
- **Mentorship and Training Leadership:** Functioned as a coach and mentor, guiding and empowering a cohort of over 200 technologists. Provided comprehensive instruction and inspiration across domains including Software Engineering Excellence, Architecture, AI Ops, Observability, Continuous Integration, and Continuous Deployment automation.

PETRONAS | Kuala Lumpur, MYS

10/2018 to 2/2021

HEAD OF SOLUTIONS ARCHITECTURE

- As a Subject Matter Expert, interfaced with key stakeholders to address technical concerns, analysed business requirements to boost RovR business, and drove the timely planning, execution, and delivery of the technical vision for the RovR project.
- Developed and enhanced technical strategies, articulated the value of technological approaches, and designed system architecture, in collaboration with multifunctional teams, after understanding information related to various company products, business goals, hardware, and subsystems.
- Increased customer value and reduced friction during refuelling for, both, fleet and non-fleet customers after building and delivering RovR and customer focused services.
- Directed, managed, and monitored the performance of several development teams by creating, scheduling, and distributing scope of work to appropriate members, gathering functional requirements, and maintaining software quality.
- Ensured that the RovR project and all associated services are easy to maintain, scale, and pivot by formulating, creating, and streamlining software services, implementing best industry practices, and overseeing new and promising technologies.
- Engaged with technical, non-technical, and business stakeholders to understand client needs, prioritise the delivery approach, and guide technical leads in solution delivery.
- Boosted morale, for the engineering team, by building a sustainable culture that promotes effective communication, builds trusts, and guarantee accurate usage of tools for continuous development and deployment of automation.

MAXIS | Kuala Lumpur, MYS

5/2018 – 9/2018

SENIOR SPECIALIST, DIGITAL PLATFORM

- Supported all developmental efforts and product initiatives associated with ookyo (by supervising cross-functional teams and collaborating with technical leads to design systems, define system roles, establish solution clarity, and ensure product quality.
- Facilitated the planning and prioritisation of the product development roadmap; ensuring to translate roadmap into technical stories and user journeys that teams will work on.
- Improved Ookyo's development process by eliminating technical and business obstacles, encouraging best industry practices across the process, and aiding the development team with technical input, testing, and minor changes (as needed).

SEEK | Kuala Lumpur, MYS

3/2015 to 4/2018

TECHNICAL LEAD (6/2016 to 4/2018)

- Ensured the smooth execution of daily technical operations by evaluating ongoing tasks, conducting security system audits, identifying problems, updating software, and communicating with appropriate engineers to rectify technical issues.
- Implemented best practices and coding standards to successfully build a robust monitoring and alerting system, design a high availability of systems, integrate an advance hiring system, and launch an updated version of Jobstreet Business Operating Systems throughout Southeast Asia.
 - Channelled and used logs that were obtained from various sources (through ELK) to build the system.
 - Timely distributed the server loads to several zones and datacentres after planning high availability of systems.
 - Enhanced resume searching results and hiring procedures to guarantee analysis and proper selection of applicant.
- Used a microservice platform and a containerisation process to facilitate the governance and coding of internal and public SeekAsia PHP APIs.

SPECIALIST, SOFTWARE ENGINEER (3/2015 to 6/2016)

- Developed software verification plans and quality assurance procedures to solve optimization problems (of the Jobstreet Business Operating System) and ensure accurate construction of a system-based logging architecture (that was complete with a centralised HTTPd, all related applications, and DB logs that were used to support engineers and fix audit trail bugs).
- Functioned as a Subject Matter Expert; interfaced with developers to ensure proper execution of system design practices and communicated with various other personnel to offer advise during system design.
- Boosted daily workflow, productivity, communication, and development by enhancing and applying better internal tools, software development processes, and data driven development designs.
- Aided in the cultivation of a cooperative and communicative team that was responsible for troubleshooting, debugging, and upgrading existing systems.
- Documented and maintained overall software functionality by realising the full software development life cycle, executing module packaging, and solving dependencies by running static repositories.

INTGRICITY TECHNOLOGY | Kuala Lumpur, MYS

1/2014 – 12/2014

LEAD APPLICATION DEVELOPER

- Directed, supervised, monitored performance, and generated daily schedules for a small technical team that was responsible for designing, developing, coding, testing, and debugging various applications and systems.
- Functioned as a Technical Mentor and Advisor; provided feedback and suggestions to guarantee improvement of various processes and products.
- Successfully streamlined technical processes by integrating queuing systems, payment gateways, and APIs (into TLDs).
- Employed expertise in various programming languages and software to design highly available data architecture and redundant systems as well as build a domain management system.

ADDITIONAL CAREER EXPERIENCE (2009 – 2013)

- Senior Developer (2012 – 2013), VLT Kuala Lumpur
- Senior Developer (2011 – 2012) and Web Developer (2009 – 2010) for Integricity Technology
- Freelance Contributor (2009), Ukaya

EDUCATION & CREDENTIALS**Bachelor of Science (Hons), Information Technology, 2013** – University Utara Malaysia, Kedah, MYS**TECHNICAL PROFICIENCIES**

<i>Recent Tooling Experience</i>	Kubernetes, Kafka, Azure Cloud, Node.js, Hybrid Mobile Development, Infrastructure as Code (IaC), Platform Engineering, Site Reliability Engineering (SRE), Developer Advocacy, Microservices, Event Driven Architecture, MSSQL, NoSQL (e.g., Cosmos), Angular, React
<i>Other Secondary Proficiencies</i>	Elasticsearch, AWS Lambda, DynamoDB, SQS, SNS
<i>Methodologies/Process:</i>	Agile, Lean, Jobs-to-be-Done (JTBD), IaC, Mobile Development (Hybrid & Native), Domain-Driven Design
<i>Architecture:</i>	Cloud-Based, Serverless, Microservices

<i>Programming Language</i>	Node.js (Advanced), Go, Python (Intermediate), PHP5 (Early days)
<i>Cloud</i>	Azure, Amazon Web Services (AWS)
<i>Databases:</i>	NoSQL, MYSQL, MSSQL
<i>Environment:</i>	SaaS, PaaS
<i>Software/Systems</i>	MySQL, CMS, Apache Spark, RabbitMQ, Chef, Composer, GitHub, Kubernetes, Git, Lamp Stack, MS Dynamics 365