M. YAURI M. ATTAMIMI

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— SUMMARY —

An experienced "Software Craftsman" with 19 years of hands-on skills in planning, architecting, crafting, and maintaining various software for a wide range of industries such as: e-Commerce, FinTech/Banking, Shipment/Logistics, Telecommunication, Real Estate, etc. Certified in Enterprise Architecture (TOGAF 9.2), 5 times Co-Founded IT Startup companies and highly experienced in Software Architecture, Enterprise Integration Middleware and Distributed System, Business Process (Workflow) Automation, Reactive System, Stream Processing, Data Engineering, Cloud Computing (IaaS, PaaS, SaaS, FaaS), Security, and Infrastructure Automation (IaC).

— SKILLS —

Checkout from https://techradar.yauritux.link to learn more about my current and past applied stacks.

— PROFESSIONAL EXPERIENCE —

PropertyGuruGroup Malaysia, KL   **July 2022 - March 2024**
Software Architect

Work with global teams across a few countries (Malaysia, Singapore, India, Vietnam, Thailand, & Poland), fully responsible for the entire "polyglot" architecture for all products created & maintained by DSS, bundled under a trademark of propertyguruforbusiness.com. As the main Architect for DSS, I was responsible to ensure that we're building the right product from the business standpoint while also building the product correctly from the engineering standpoint.

Achievements:
- Defined a tailored Agile Architecture framework to streamline the engineering process while ensuring to not skipping any important architecture documents. This has proven to increase our DSS engineers productivity, in particular for cross collaboration with other departments without hooping into hours of meeting by 25%.
- Enhanced the security of one Java legacy application namely Propadvisor (a.k.a. Vantage) through upgraded and refactored the code from Java 8 to the latest LTS (Java 17) version, upgraded Spring that suffered log4j vulnerabilities and other vulnerabilities to the most recent version contained with all security patches, upgraded Wildfly application server to the most recent stable and safe version, migrating data and application from the existing running instance to a new instance hosted in different location, and slowly switching over the traffic to this particular new instance. This has proven to reduce the number of critical risks from 45% to 1%.
- Authored what so-called as "TrustBook", a comprehensive guide of security implementation best practices for all DSS products, as part of DSS's commitments to PropertyGuruGroup, the ISO/IEC-2001 certified holding company. This initiative resulted in a 25% reduction in time spent by the product and sales teams in explaining DSS's commitment to product and client security, while also enhancing the overall security posture of DSS products by 40%.
- Proposed and designed an audit trail platform for DSS, estimated improving data accuracy and compliance by 30%.
- Proposed and designed an anti-account sharing module for DSS, reducing unauthorized access by 40%.
- Proposed and designed a workflow engine, boosting efficiency by 25%.
- Introduced Best practices for DSS application on service monitoring and observability known as 4 golden signals, lead to debugging efficiency by 50%.

- Automated unified dashboard creation for each product team tech-metrics through building an integration pipeline to collect all predefined tech metrics, saving an estimated 10 hours of manual work per week.
- Led the infrastructure optimization and migration of DataSenseMap (DSS Map product that is based on ArcGIS and QGIS), reducing downtime by 30%.
- Developed and Maintained data pipeline (batch and streaming) for Singapore and Malaysian transaction and analytics data to be consumed by the DataSenseMap (ArcGIS), increasing data availability by 50%.

Moove.io Netherlands, Amsterdam   **February 2022 - June 2022**
Principal Software Engineer, Remote (Project Based)

Championed engineering and architectural excellence at Moove (formerly MooveAfrica) which essentially held the responsibility of guiding the teams and fostering a culture of engineering and architectural excellence. My day-to-day activities would be around business and technical discussion with all business and technical stakeholders, while also being involved within the product design and engineering hands-on (software development) activities.

Achievements:
- Led a team from Poland in developing the Moove Driver's app, which integrated with partners such as Uber. Proposed, designed and implemented a streaming data pipeline to standardize and seamlessly integrate diverse data formats, resulting in a 50% reduction in data discrepancies.
- Presented my IPR and ADR to management, successfully securing approval for my design and led the team in delivering the first release of the streaming data pipeline before the end of my project.

Pearl Data Direct UAE, Abu Dhabi and Dubai   **December 2020 - February 2022**
Exclusive Lead Solutions Architect for Lulu International Exchange (Project Based)

Achievements:
- Led the implementation of event-sourcing microservices architecture for YO2, resulting in a 40% improvement in system performance and scalability.
- Designed and developed a custom event-sourcing framework with Java 11, Spring, Kafka (command bus and event bus), and PostgreSQL as both event-sourced and projection databases, boosting team's productivity by 30%.
- Trained the engineering team backend framework and development best practices, resulting in a 20% improvement in code quality and delivery.
- Liaised with Product Manager and Engineering Head to define MVP requirements and clearly defined feature sets into well-scoped user stories in the format of VTFM (Vision-Theme-Focus-Measure), resulting in a 25% efficiency in terms of alignment between engineering and business stakeholders.
- Introduced an event-storming session for our requirement gathering phase, including how to apply SCRUM within the project, improved team's collaboration and efficiency by 35%.
- Designed and developed an LCM engine with a hybrid combination between WSO2 Micro Integrator and Apache Camel with Java 11, an enterprise adapter that connects various enterprise applications. This particular engine became our main workflow engine that has different business workflows based on various parameters like product and services offered by the company, resulting in a 50% improvement in workflow automation.
- Designed and developed a BRMS system using Drools and Java 11 in conjunction with the aforementioned LCM, improved the team's decision making capabilities by 45%.
- Introduced "Threat Modeling and Analysis" as part of Shift-Left security development best practices, improved team's awareness and capability in handling security threats by 30%.
- Learned characteristics of the region and industry according to location, providing universal demand input for products and solutions, improved the company's product offerings by 20%.
- Proposed and led the implementation of my tailored TOGAF by introducing some architecture documents such as Business Architecture Vision, ADR, and RFC as part of my initiative. This improved the team's architecture capability by 40%.

Janio Singapore, Singapore   **October 2019 - December 2020**

Senior Software Engineer

Achievements:
- Designed and developed backend API services for JANIO's HMS (Hub Management System), enabling warehouse-like execution in all nodes and streamlining inbound/outbound shipment processes through a central hub control system, resulting in a 50% reduction in shipment handling time.
- Secured first production release of HMS MVP features within just 1 month, increasing package shipment time and custom clearance process efficiency by 40% by eliminating manual sorting at JANIO's Singapore Hub.
- Delivered 7 subsequent production releases, improving operations in all deployed hubs and maximizing JANIO's profits by an estimated 20% by identifying/preventing operational inefficiencies, damage on shipment packages, handling errors, and SLA failures.
- Designed and built an internal audit-trail system for HMS using event-sourcing, enabling easy root-cause failure detection while providing insights into user behavior for business stakeholders, resulting in a 30% reduction in mean-time-to-resolution (MTTR) for system issues.

G2 Academy Indonesia, Jakarta   **August 2018 - May 2020**
Part-Time Instructor and Principal Consultant

As a part-time instructor I was teaching various topics which were mostly on the backend architecture and software development best practices for some private and government sectors. I was also working as their Principal Technical Consultant.

Achievements:
- Built the curriculum structure (syllabus) including the course materials for Java, Golang, and NodeJS courses. In essence, I helped the Founder of G2 in setting up their courses and classes from scratch.
- Managed to secure one of G2 big projects for BRI (Bank Rakyat Indonesia) through some training that we conducted in BRI Corporate University. I brought this BRI project to G2 where we were trusted to lead one of the in-house microservice projects in BRI.
- Designed and introduced my own tailored `clean-code architecture` scaffolding code that is used by G2 in most of their projects.
- Taught the team on how to work with `clean-code architecture` while also applying Gherkin syntax in our test cases to ensure its alignment with the business user stories.

Automate.id Indonesia, Jakarta   **January 2018 - December 2019**
VP Engineering, Technical Co-Founder

Automate.id is an AI based startup company which focuses on building an AI-platform to automate day-to-day transactions for various business domains.
I was one of the Technical Co-Founder who designed and built the platform from scratch since the beginning of 2018, and also acted as the VP of Software Engineering.

Achievements:
- Proposed and designed an e-commerce chatbots platform as one of Automate.id primary product by utilizing different preexisting chat platforms such as : WhatsApp, Telegram, Facebook Messenger, and Line through building backend chat adapters for those chat platforms by myself alone (This was my initiative and I was the only engineer work on the chatbot product during that time).
- Designed and built a workflow engine (myself alone) from scratch based on FSM (Finite State Machine) to support different business domains outside eCommerce. My expectation during that time was to provide the ability for our chat bot to seamlessly work with different business domains (e.g., logistics, ticketing/travel agent, etc). In a nutshell, this particular workflow engine contains different workflow steps to drive user workflow based on its domain (e.g., eCommerce has some steps such as searching a product, adding product into cart, checkout from cart, payment, and product shipment). Furthermore, this particular workflow engine can also be freely customized by our customers according to their needs.

- My chat bot was also equipped with an NLP engine that can grab the user's intent to drive the conversation into the appropriate workflow in my workflow engine.

— PRIOR POSITIONS —

FREELANCE
Principal Fullstack Engineer
Worked with some prestigious clients (ABM Investama, Trakindo Group, GMF Aeroasia, Telkomsel, Petral Pertamina subsidiary group) to redesign and disentangle most of their legacy monolithic application into small set of independent services (a.k.a. Microservices architecture).

ABYOR INTERNATIONAL, Jakarta
Java Principal Engineer
built various adapters and middlewares in Java for interfacing with Finance and HRMS modules in SAP which is proven to increase the cost efficiency for our clients.

BLIBLI.COM Indonesia, Jakarta
Senior Java Engineer
Worked in various e-Commerce internal modules for blibli.com such as: VENICE and MTA while also leading the refactoring process of some legacy modules.

HEWLETT-PACKARD Malaysia, Cyberjaya
Senior (Lead) Java Developer
Worked on an e-Commerce Platform and middleware called NCIS (formerly known as VIPER).

VISITEK Indonesia, Jakarta
IT Consultant (Middleware Specialist)
Worked on the "EAI Enhancement" project at TELKOMSEL, one of the largest GSM carriers in Indonesia, using Oracle WebLogic Integration10, JBoss Fuse, Apache ServiceMix, Karaf, and Apache Camel.

CoreSDP, Singapore
Java EE Developer
Design and develop product called "CoreM2M" which basically is a product that enables the flow of data between machines and machines, and ultimately between machines and people

Hub9, Singapore
Java EE Developer
Builded an interface application (service/daemon application) to be integrated with Facebook's XMPP Protocol and Yahoo!'s proprietary protocol.

Microsoft Indonesia, Jakarta
Java Developer
built a desktop application named SIMPLIK based on the SWT (Standard Widget Toolkit) that provides a GUI and acts like an internet gateway. SIMPLIK works as a proxy to Microsoft Sharepoint,

— EDUCATIONS, TRAINING & DEVELOPMENT —

2020 - 2021
Data Science and Machine Learning at MIT-IDSS
Status: Dropout
2021
Enterprise Architecture (TOGAF 9.2)
Status: Completed
2000 - 2006
Bachelor of Informatics Engineering at Dian Nuswantoro University (https://dinus.ac.id)
Status: Completed