NURAIN BINTI IKHWAN WONG

68000 Ampang, Selangor • (+60) 16-2474196

Email: nurainwg@gmail.com • Portfolio: nurainiw.com • GitHub: github.com/ainwg

SUMMARY

Analytical and adaptable Computer Science graduate with hands-on experience in SAP systems, web development, and mobile application development. Skilled in designing, implementing, and optimizing digital solutions, managing data workflows, and collaborating across technical and business teams. Passionate about leveraging technology to deliver impactful applications and improve business processes and user experiences.

EDUCATION

Bachelor of Computer Science (Software Engineering) with Honors   **10/2020 – 08/2024**

Universiti Malaysia Pahang (UMP), Pekan, Pahang

CGPA: 3.67

Diploma in Science   **06/2014 – 08/2016**

Universiti Teknologi MARA (UiTM), Tapah, Perak

CGPA: 3.61

WORK EXPERIENCE

Software Engineer (SAP ABAP) – NextLabs (M) Sdn Bhd   **10/2024 - Present**

- Designed and managed policies using Data Access Management (DAM) and Dynamic Access Enforcement (DAE), implementing advanced filtering, data masking, and attribute-based access control.
- Developed and maintained custom SAP applications using BAPIs, BADIs, and enhancement points to seamlessly integrate business logic with standard SAP processes.
- Created and extended OData services using SAP Gateway to expose SAP data for Fiori applications and third-party systems, enabling real-time integration.
- Built SAP Fiori applications using SAP Business Application Studio (BAS) by consuming OData services developed in SAP Gateway.
- Developed and enhanced ALV Reports using both Function Module-based and Object-Oriented ALV, including interactive reports for better user experience and functionality.
- Performed end-to-end ABAP development, including Reports, and Data Dictionary objects such as tables, structures, views, domains, and data elements.
- Worked closely with senior functional consultants to analyze business requirements, translate them into detailed technical specifications, and ensure alignment with business needs.
- Conducted unit testing, supported User Acceptance Testing (UAT), and provided technical assistance during go-live and post-implementation phases.
- Implemented authorization checks using SAP Authorization Objects to enhance data security and ensure compliance with internal policies.
- Analyzed and optimized ABAP code performance using tools such as SQL Trace (ST05), Runtime Analysis (SE30), and SAT Trace.
- Collaborated with cross-functional teams during integration testing, resolved defects efficiently, and prepared comprehensive technical documentation for all developed objects.

Software Engineer Intern (SAP ABAP) – NextLabs (M) Sdn Bhd   **03/2024 – 08/2024**

- Gained practical experience in SAP ABAP and Object-Oriented ABAP through real-time projects and technical mentoring.
- Assisted in developing and maintaining SAP enhancements using User Exits and Customer Exits to meet client-specific requirements.
- Created ALV Grid reports with interactive features such as sorting, filtering, and subtotaling to support business decision-making.
- Participated in code reviews and debugging using transaction codes like SE80, SE38, and ST22 to identify runtime errors and improve program stability.
- Built and maintained SAP Data Dictionary elements (tables, views, search helps) to support custom module development.
- Supported data migration and validation using BAPIs.
- Learned and applied modern ABAP syntax and best practices, including inline declarations, constructor expressions, and new control statements to improve code readability and efficiency.
- Created and customized SQVI (QuickViewer) reports to provide user-friendly, ad-hoc reporting solutions by combining multiple tables and applying selection criteria without extensive coding.

PROJECTS

SAP Authorization & Policy Testing Project – Sanofi

- Conducted comprehensive policy testing to validate data access based on user roles and authorization levels within SAP systems.
- Verified enforcement of data masking, filtering, and access control rules to ensure compliance with security and governance requirements.
- Prepared detailed test documentation, including test scenarios, test cases, results, and defect tracking, to support UAT readiness and audit requirements.
- Collaborated closely with team members to analyze test outcomes and resolve policy-related issues efficiently.
- SAP S/4 HANA, Data Access Enforcer (DAE).

Data Access Control & Analytics Validation Project – LyondellBasell

- Designed and implemented access control policies to grant appropriate data visibility and operational control to authorized users based on defined business roles.
- Executed and validated over 1,000+ queries across multiple SAP Infocubes to ensure accurate policy enforcement and data protection.
- Performed in-depth analysis of query results using Microsoft Analysis for Office, identifying discrepancies and validating data consistency.
- Worked with large datasets to assess policy impact on reporting performance and data accessibility, providing feedback for policy optimization.
- SAP BW, Data Access Enforcer (DAE).

Role-Based Policy Access Control – DuPont

- Designed and implemented dynamic access control policies in NextLabs Control Center to enforce role-based security for DuPont's SAP system, ensuring compliance with data governance policies.
- Conducted end-to-end testing of policies to validate that only authorized users could access specific SAP transactions based on their roles and responsibilities.

- Performed debugging and analysis of 500+ SAP FI transactions to identify key tables and data elements, ensuring accurate policy configuration for sensitive data protection.
- SAP S/4 HANA, Data Access Enforcer (DAE).

UMP Car E-Hailing System (UCES) – Final Year Project
- A mobile application exclusively designed for the University Malaysia Pahang (UMP) community. Serves as a centralized platform, facilitating part-time employment opportunities for UMP students as drivers and simplifying the process of booking rides for both students and staff.
- Designed and implemented user-friendly features, such as driver registration, profile management, booking system, and secure payment integration.
- Android Studio, Java, Firebase.

SKILLS & INTERESTS

Technical	SAP: SAP ABAP, SAP Fiori
	Programming: C, Java, Python, JavaScript, Dart, PHP
	Data Analysis: SQL, Excel, Power BI
	Web: HTML, CSS, Bootstrap, Laravel, WordPress, REST API
	Mobile: Flutter, Kotlin, Android Studio, Firebase
	Tools: Git, Figma, MySQL, Microsoft Office
Language	Malay (Native), English (Professional working proficiency)
Interest	SAP, Web development, Mobile app development, Data analytics, Cloud solutions

CERTIFICATIONS

- Google Data Analytics   2023
- Microsoft Azure Data Fundamentals   2023
- Google Cloud Platform   2022

AWARDS & HONOURS

- Top 30 Achiever (Bronze Award) - FYPRO-COM Final Year Project
- Dean's List Award (All semesters) - Universiti Malaysia Pahang al-Sultan Abdullah (UMPSA)
- Dean's List Award (4/5 semesters) - Universiti Teknologi MARA (UiTM)

REFEREES

References available upon request.