Nirmal Kumar Karmani

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PROFILE

Accomplished software engineer with a multi-faceted experience in planning, managing, and leading projects. Proven track record in identifying and solving complex business problems to help achieve significant business process improvements. Recognized for strong leadership, critical thinking, and communication skills. Looking to relocate for a new challenge that can better utilize my skillset.

EDUCATION

2016 – 2019	**Bachelor of Computer Science (Hons) Software Engineering,**
	Dual Degree - Coventry University, UK + INTI International University, Malaysia
	CGPA : 3.97/4.00

PUBLICATIONS

19th November 2019	**Integrated Car Park System for Smart Parking Solution,**
	INTI Journal (ISSN e2600-7920) ↗
	Final year project developed for fulfillment of Bachelors degree.
	Tools and Technologies Used : IoT, Android, Firebase

PROFESSIONAL EXPERIENCE

June 2021 – present Jakarta, Indonesia	**Director,** Sigar Indonesia Sigar Indonesia is an early-stage IT services start-up in Indonesia. Joined as a partner and director to help grow the business. Responsibilities include managing the organization's operations, liaising with clients, and planning, leading, and managing the development of in-house software.
June 2021 – present	**Serial Entreprenuer,** Self-Employed Have been running several solo and partnership-based small-scaled entrepreneurial ventures including e-commerce businesses, freelance development, business consulting, etc. These ventures have generated a net profit of over ~$20000 with minimal investment.
January 2020 – June 2021 Cyberjaya, Malaysia	**Software Engineer 1 (Voice and Contact Center Services),** Dell Technologies Worked as a full-stack developer in the voice team with the responsibility of modernizing monolithic legacy applications to micro-services-based cloud applications using DevOps best practices. Job responsibilities included planning, architecting, designing, developing, testing, and deploying the applications to the cloud.
June 2019 – October 2019 Cyberjaya, Malaysia	**Software Engineering Intern (Voice and Contact Center Services),** Dell Technologies Hired on-campus by Dell via winning the Dell Hack2Hire hackathon. Responsibilities included performing bug fixes as well as UI updates on legacy VB .NET applications. While interning, also created an IOT-based project using the MEAN stack and won the "Internovation" award for developing the best internship project.

PROJECTS

2020 – 2021	**Health Checker Tool,** Dell Technologies Individually performed a complete revamp and modernization of a legacy monolithic .NET application into a cloud-based micro-services application using the MEAN stack. The modernization efforts brought about a 90% improvement in application performance (<10s query processing time vs >90s previously). Even the time to deploy was reduced by almost 80% by leveraging DevOps. New deployments take ~5 mins; a small fraction of the 30+ mins taken in the past.
2020 – 2021	**Proprietary ETL (Extract, Transform and Load) Tool,** Dell Technologies Individually developed, tested, and deployed a middleware application for an upgrade project. The application was responsible for performing ETL between Dell internal databases and a third-party vendor database. The in-house application developed led to the removal of vendor-developed customized software with a ~$20k cost avoidance upon initial deployment and any future upgrades. The software was developed using .NET Core and is designed in a modular fashion to support any future upgrades. The ETL tool is designed to be no-touch in nature and utilizes tools such as RabbitMQ and Kibana to ensure consistent processing with appropriate alerts.

2021 – present	**In-House Development,** Sigar Indonesia
	 Acted as the lead developer and managed the development of several projects since joining. Projects include:
	 • Customization of Inventory, POS, and CRM software to fit client needs
	 • Websites for clients
	 • Bespoke software
	  - Attendance tracking application which uses existing hardware meant to detect face mask and body temperature.
	  - Custom dashboard for a hospital to view COVID-19 data.
	  - Custom scripts and RPA performed for clients to automate repetitive workflows.

AWARDS

Best Speaker Award, Dell Technologies ↗
Awarded for delivering the best talk during the Dell CIO People Rally 2020 - Speaker Series

1st Runner Up - Dell Hack2Hire, Dell Technologies
Acted as the team leader. Developed the complete product architecture and managed the overall development effort. Within 24 hours, our team created an Android-based marketplace application with PHP and MySQL back-end. The solution developed was cloud-ready and also utilized R language for forecasting purposes.

Best Student Award, Coventry University
Awarded by Coventry University, UK for achieving a CGPA of 3.97 and being the best student in the graduating class of 2020

Presidents Honor Roll (x3), INTI International University
Awarded for getting a full 4.0 GPA in a semester.
Awarded in: January 2017, August 2017 & January 2018 Semester

Dean's Honor Roll (x1), INTI International University
Awarded for getting 3.90 GPA for August 2016 Session

Valedictorian & Best All-Rounder, Mahatma Gandhi School
Served as head boy of school cabinet and was selected to deliver the valedictorian speech. Received "Best All-Rounder" in recognition of all-round skills demonstrated in academia and extra-curricular activities.

LANGUAGES

English • Bahasa Indonesia • Malay • Hindi • Sindhi