TECH TITANS

SYSTEM DEVELOPMENT@CREDENCE (TM SUBSIDIARY)

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INTRODUCTION TO CREDENCE (TM SUBSIDIARY)

A new cloud and digital services company, Credence is a subsidiary of Telekom Malaysia with the goal of providing exceptional customer service. Building resilient and flexible systems is the main goal of this industry leader in cloud and digital services, which makes use of its extensive technological experience, creative toolkit, and long heritage.

DESCRIPTION OF THE SYSTEM DEVELOPMENT

System development is a structured approach to creating and maintaining information systems designed to meet particular needs or resolve specific problems. This process encompasses various stages, including design, analysis, planning, implementation, and maintenance. Over the years, the methodology of system development has transitioned from linear frameworks like the Waterfall model to more interactive and collaborative techniques such as Agile and DevOps. This evolution reflects the field's adaptation to the dynamic requirements of different industries. Credence, established in 2022, is a testament to this evolution. Recognizing the pivotal role of cloud computing and analytics in today's digital environment, Credence rapidly enhanced its system development capabilities, offering a broad range of services tailored for diverse enterprise needs in multiple sectors.

HISTORY OF SYSTEM DEVELOPMENT

System development initially adhered to a sequential approach with the Waterfall model but has evolved into more versatile and responsive methods. There has been a swift advancement in technology within this field, moving from early programming languages such as C and Fortran to contemporary ones like Python and JavaScript. Additionally, modern frameworks such as React and Angular have become integral to this progression, reflecting the dynamic nature of system development.

TECHNOLOGY AND TOOL USE IN CREDENCE'S SYSTEM DEVELOPMENT

1.Programming Languages: Python, JavaScript, Java, SQL, and Bash Syntax are widely utilized for their versatility across various applications.
2.Frameworks and Libraries: Development is accelerated through frameworks like Django, Angular, and React.
3.Methodologies: DevOps, Agile, and Scrum are chosen for efficient and iterative development processes.
4.Cloud Computing: AWS and Azure cloud services are leveraged to enhance accessibility and scalability.
5.Database and OLAP: Tools like PostgreSQL, ClickHouse, and Druid are used.
6.Visualization Tools: Tableau, PowerBI, Metabase, and Superset are employed for data visualization.
7.ETL/ELT Processes: Airflow and Spark are utilized for effective data integration and processing.

REFLECTION

SAMIN

In the coming four years, as a system developer, my priority will be to constantly adapt and learn. I plan to keep abreast of changing technologies, nurture innovation, and adopt new methodologies. Collaborating with varied teams and acquiring certifications will help align technology projects with business objectives. My dedication to ethical coding practices and social responsibility, coupled with competencies in project management, leadership, user-focused design, problem-solving, professional networking, and continuous enhancement, will shape my growth into a proficient and responsible system developer.

AREEB

Over the next four years, my objective as a system developer is to relentlessly pursue adaptation and learning. This involves enhancing my technical knowledge by embracing emerging technologies, fostering my creative and problem-solving abilities, developing leadership skills by taking on key roles in team management, and maintaining a growth mindset dedicated to continuous education. My aim is to evolve into a multifaceted professional who combines technical expertise, creativity, and leadership with a steadfast dedication to innovation in the constantly changing technology landscape.

NABIL

As a system developer, my ongoing aim is to continuously adapt and learn. I plan to stay current with emerging technologies, foster innovation, and implement new methodologies. Working collaboratively with diverse teams and gaining relevant certifications will be essential in aligning technology efforts with business goals. I am committed to ethical coding practices and social responsibility. Enhancing my skills in project management, leadership, user-centered design, problem-solving, professional networking, and continual self-improvement will be crucial in my development into an effective and responsible system developer.

MARIAM

My vision for the upcoming four years as a system developer encompasses a holistic growth strategy. It involves deepening my technical expertise through the mastery of new technologies and refining my current skills via hands-on projects and teamwork. A key part of this plan is to enhance my creativity and problem-solving skills, venturing beyond my comfort zone, and engaging with a variety of perspectives. I aim to develop my leadership abilities by taking charge of teams, managing projects, and guiding junior developers. Embracing a growth mindset is central to my strategy, which includes participating in conferences, workshops, and online forums for continual learning. The overarching objective is to evolve into a versatile system developer who possesses a balance of technical skill, creativity, leadership acumen, and a lifelong dedication to learning and growth.

RAZAN

In the next four years, I am dedicated to establishing a solid base in system development fundamentals. This encompasses becoming proficient in at least one programming language and acquiring a thorough grasp of core development concepts. To gain practical experience, I intend to engage in activities such as Robocon or Airost, working on collaborative projects that allow me to put theoretical knowledge into real-world application. Seeking advice from industry professionals will also be key to refining my practical skills. Moreover, keeping abreast of the latest industry developments through resources like blogs, technical news, and GitHub projects is essential, as it will supplement my university education which might not always keep pace with the fast-evolving tech landscape.

.CHOONG

Reflecting on the industry trends highlighted in the recent talk, I find myself reevaluating my path towards becoming a system developer in the next four years. This has prompted me to rethink my approach to excel in this field. My primary insight is the necessity of adapting to new software, recognizing the ever-evolving nature of computer science. To facilitate this, I am considering self-directed learning through various online resources like Udemy. Additionally, I plan to tackle a wide range of programming challenges to sharpen my critical thinking abilities, as I believe this is a vital step in becoming a proficient system developer. Beyond technical skills, I recognize the importance of enhancing interpersonal abilities such as communication, given the collaborative nature of most roles in this sector.

SIKHIN

This industry talk was a revelation for me, offering a fresh perspective on my career trajectory and broadening my understanding of analytics and system development. The insights on forging a career in analytics were particularly enlightening, underscoring the importance of staying abreast with new trends and technologies. I found it fascinating how analytics can transform unstructured data into profound insights, fueling creativity and decision-making. My ambition for the next four years is to work as a system developer, focusing on acquiring the requisite technical skills and industry insights. I aim to engage in challenging projects that stretch my intellectual capacities and allow me to apply my learning. This experience has significantly shaped my professional objectives, giving me a clearer vision of my goals in system development. I am enthusiastic about making a meaningful impact in the field and look forward to the journey ahead.