


System Development @ Credence (TM Subsidiary)

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System Development

HISTORY OF SYSTEM DEVELOPMENT

Software Development were manual hand coding with limited utility. **1950**



1960-70s Introduction of structured programming languages and techniques for more organized development.

Rise of object-oriented programming enhancing scalability and efficiency. **1980**



1990 Internet adoption and client-server architecture enabled web-based solutions.

Agile is known for collaborative and iterative approaches which gain popularity for more flexibility. **21st-c**

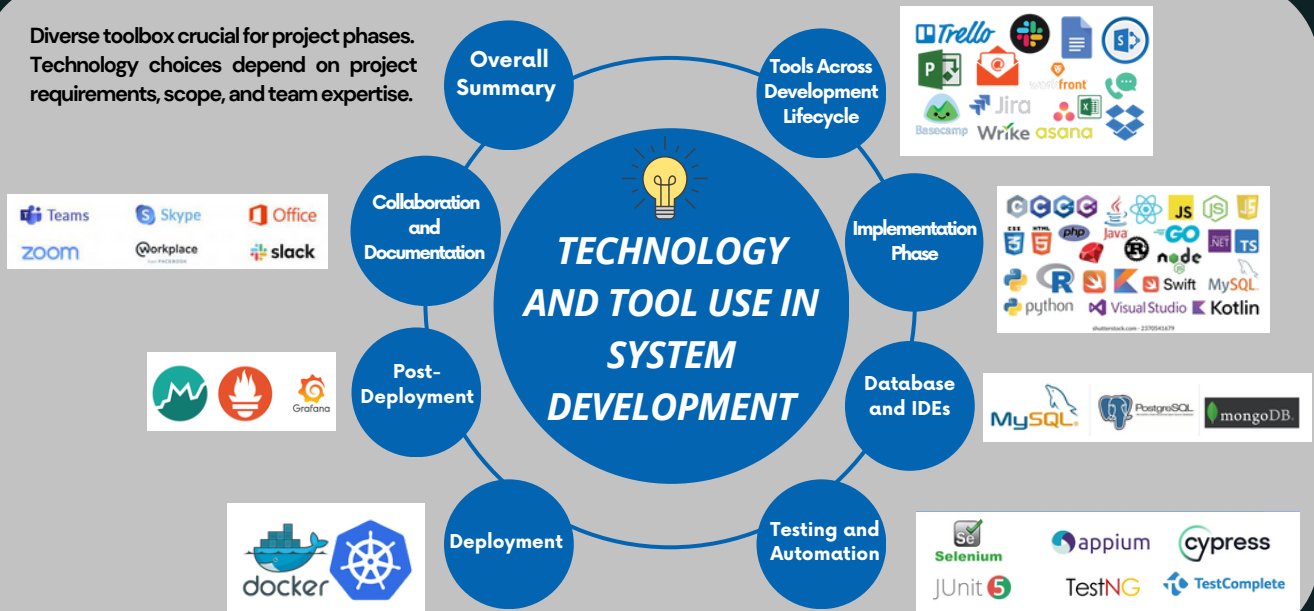


Present Ongoing evolution with the incorporation of cloud computing, DevOps practices, and artificial intelligence shaping modern system development.

Description of the System Development

The system development process entails creating computer-based information systems for specific business needs, progressing through stages like planning, analysis, design, implementation, testing, deployment, and maintenance. Key aspects include defining project objectives, examining current processes, architecting system blueprints, translating designs into code, rigorous testing, deployment, and ongoing maintenance. Collaboration among stakeholders is crucial, employing Agile methodologies for adaptability. Staying current with industry trends and emerging technologies is vital for successful system development.

Diverse toolbox crucial for project phases. Technology choices depend on project requirements, scope, and team expertise.



Reflection

CHEAH ZI FENG

Over the next four years, I plan to evolve into a proficient system developer by embracing a proactive learning approach. I will stay abreast of emerging technologies, programming languages, and industry trends, dedicating time to practical, real-world projects for hands-on experience. Active participation in coding communities, attending workshops, and building a robust online presence will be integral to my growth. I aim to refine problem-solving skills and maintain adaptability in the dynamic tech landscape. Developing effective communication and collaboration skills is a priority to seamlessly work within diverse development teams. Additionally, I'll seek relevant certifications and consider advanced education to ensure a comprehensive understanding for both personal growth and career advancement.

AMMAR YASSER SALAH

My plan for the future for growing as a skilled system developer will be as follows:

- Staying updated on emerging technologies, undertaking practical projects, and actively engaging with the developer community.

- Focusing on enhancing both technical and soft skills, I aim to remain adaptable, pursue certifications, and consider advanced education for sustained personal and professional development

FADLIN AFINA BINTI DAUD

In my opinion, i need to dive into hands-on projects to apply extent my knowledge, and seek internships or freelance work to gain practical experience. Other than that i have to specialize in areas like software architecture or cloud computing, and stay updated on industry trends. Besides, building a strong network through online communities and events, show case my work on platforms like GitHub, and consider obtaining relevant certifications. Cultivate soft skills like communication and problem-solving, and stay adaptable to changes in technology. But i believe by maintaning continuous learning mindset, dedication, and a focus on building both technical and interpersonal skills, i can pave the way for a successful career as a system developer.

MANISHA A/P KUMAREVELAN

As a university student, my approach to studying system development will involve a strong focus on adaptability and staying current with evolving technologies. I'll prioritize collaboration with stakeholders, using Agile methodologies for flexibility and user-centric design. I plan to integrate cloud computing, DevOps, and AI for efficiency and scalability. My toolbox will include tools like Jira and Slack, and I'll consistently learn new languages and frameworks to stay current in the industry. Overall, . My goal is to absorb the knowledge and skills necessary for success in system development, ensuring a solid foundation for my future endeavors in the field.

ABDUL WAFI BIN SUHURI

In my perspective, charting a course to become a proficient developer over the next four years demands a strategic approach that revolves around continuous learning, hands-on experience, and effective networking. I believe that prioritizing continuous learning is essential because staying updated on the latest technologies, frameworks, and industry trends lays a solid foundation for success. Actively participating in online courses, workshops, and obtaining relevant certifications is a proactive way to enhance skills and ensures that I remain adaptable to the ever-evolving tech landscape. Furthermore, I am convinced that getting involved in hands-on projects is equally crucial. Applying theoretical knowledge through hands-on projects is vital in developing practical skills. I firmly believe that building real-world applications not only reinforces understanding but also creates a tangible portfolio, showcasing my abilities to potential employers.