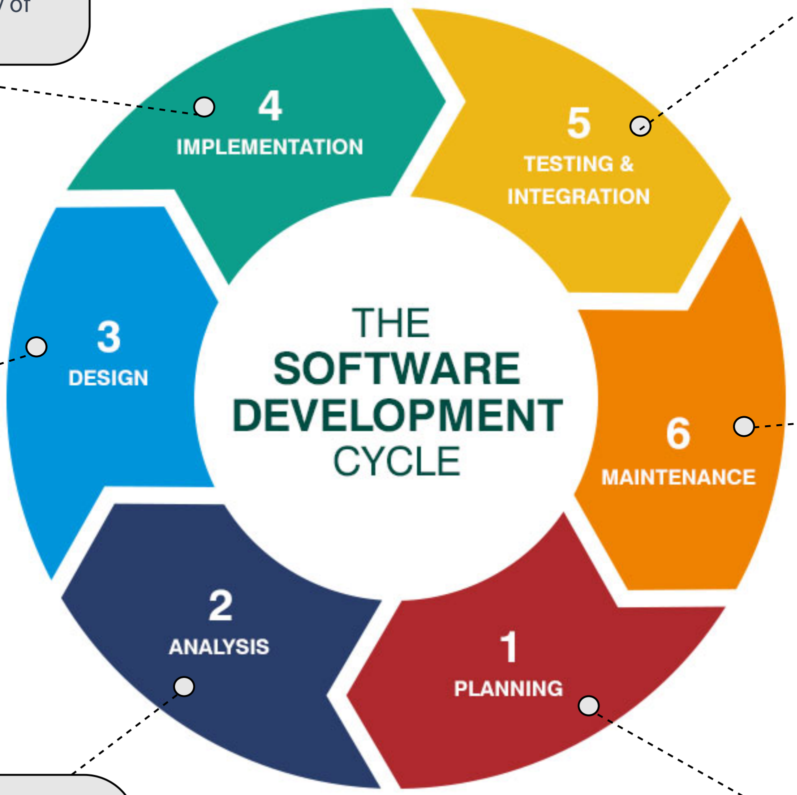
Greg Harner

Skills Presentation Based on The Software Development Lifecycle



As a full-stack developer, I have honed my skills in coding with the Angular and React frameworks and leveraging Google Firebase and Python for robust backend solutions. My expertise extends to a comprehensive understanding of application interfaces. I possess a deep and nuanced mastery of both SQL and NoSQL databases.

I skillfully utilize Karma as a test runner and Jasmine as a behavior-driven framework to conduct comprehensive unit testing in Angular applications, ensuring the delivery of robust and reliable code. My expertise also extends to performing integration, functional, and acceptance testing, guaranteeing a thorough validation of software from individual units to the overall user experience.

My favored approach to application design involves employing Gherkin syntax for documenting requirements. This structured, yet straightforward, language ensures a comprehensive capture of feature requirements, encompassing context, triggers, and expected outcomes. The beauty of Gherkin syntax lies in its readability, offering clarity and precision that is accessible to both technical and non-technical stakeholders alike.

I excel in maintaining software by implementing efficient bug tracking and resolution processes, regularly updating and optimizing code for performance and security, and proactively adapting to new technology trends to ensure the software remains relevant and functional.

In my approach to software development, I utilize UML diagrams, particularly use case diagrams, as a pivotal tool for analyzing and clarifying requirements. At the initial stages, these diagrams help in visualizing the system's functionality from the user's perspective. I start by identifying the key actors (users or external systems) and their interactions with the system, represented as use cases. This process aids in comprehensively understanding user needs and system objectives.

I excel in working with cross-functional teams. My ability to understand and integrate diverse perspectives from various departments is a testament to my strong interpersonal skills and adaptability. I effectively bridge gaps between technical and non-technical stakeholders, ensuring that projects are completed efficiently and objectives are met with collective expertise.