Associate Software Engineer/ Software Engineer/Software Architect/ DevOps Engineer/ Software Engineering Manager

MEDIUM
M

IN 3-5 YEARS Job holders will use ML algorithms and RPA to automate software design, development and testing tasks. Cloud platforms will streamline software and application development process and allow job holders to focus on reviewing the end-to-end software development.

AI & Analytics

Robotics

Cloud Computing

FUTURE TASK-LEVEL VIEW

- ML algorithms will streamline and automate the planning and design process by gathering data such as names of project stakeholders, location, customer needs, products, and type of business to auto-create intuitive instructions on what design approach to take

- RPA will replace time-consuming activities such as test data preparation, setting up of preconditions and can help finish lines of code to flag out prospective bugs in real-time

- Cloud platforms will streamline the software and application development process by providing access to testing and staging servers, thereby enhancing speed and improving applications delivery

- Job holders will focus on reviewing and monitoring the overall end-to-end process of software development and facilitating software design review sessions

- Software Architects continue to remain relevant in determining design specifications, facilitating software architecture governance process, and recommending approaches that balances security, stability, and performance needs with user requirements

SKILLS ANALYSIS

CURRENT SKILLS GAP

- Agile Software Development
- Agile Coaching
- Communication
- Software Configuration

ADDITIONAL FUTURE SKILLS

- Business Agility
- Continuous Integration and Continuous Deployment
- Cloud Computing
- Data Ethics

Click here to find out more on the programmes and support available to close skills gaps and gain future skills