

Software Engineering

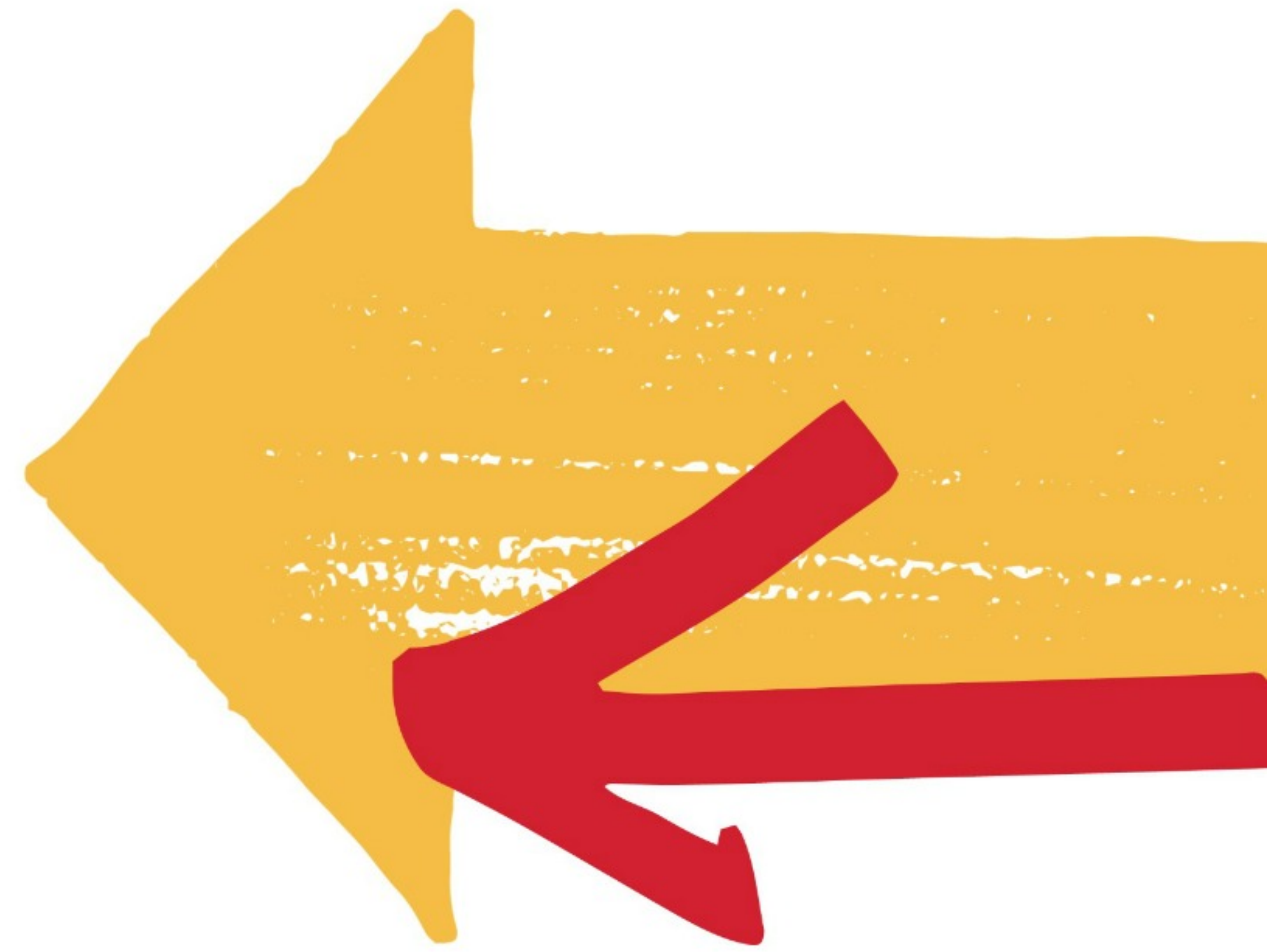
As a software engineer you can use your expertise to design, develop, and evaluate software, configure and install computer systems, and build and maintain software systems throughout their lifecycle. Specific tasks software engineers perform evolve quickly, reflecting changes in technology, as well as the needs of employers. They work as members of teams that may include experts in engineering, marketing, manufacturing, accounting, training and design.

Career Opportunities:

Software Architect
Software Publisher
Software Developer

Web Developer
Systems Programmer
Software Quality Engineer

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Data Science

Focus on developing the knowledge and skills needed to transform data into insights. Apply data science concepts, tools and methods to data analysis pipelines. Ability to visualize, interpret, and communicate data outputs.

Career Opportunities:

Data Analyst
Data Architect
Database Administrator

Computer Science

Computer Science is the theory and practice of processing and using information. Computer scientists use and develop algorithms, information processing, computer languages and computer systems to solve computing problems.

Career Opportunities:

Database Experts
IT Project Manager
Computer Programmer

Computer Engineering

Focus on how computer science and electrical engineering come together. Focus on hardware and software aspects of technology and how the two interact. Build consumer electronics, smartphones and network hardware.

Career Opportunities:

Systems Engineer
Network Engineer
Computer Engineer

Cyber Security Engineering

Ensure cyber systems are safe from attacks. Focus on cyber security concepts, tools and technologies to secure computer systems. Design cyber security systems to meet organizational needs. Focus on cyber security risks, threats and countermeasures.

Career Opportunities:

Pen Testing
Cyber Security Engineer
Information Security Officer