



XALTIUS

Towards Higher Excellence

SOFTWARE ENGINEERING CERTIFICATE PROGRAM

INDUSTRY-READINESS FOR A
NEW CAREER PATHWAY





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FROM THE DIRECTOR'S DESK

Greetings!

Every educational institute needs to implement valuable learning. Xaltius creates a positive attitude and inspire the students to achieve professional excellence in the most memorable way.

The need to modify and adapt is continuous and at Xaltius Academy we appreciate this opportunity as we believe it brings out the best in us, helping us strive further to provide valued learnings at all times.

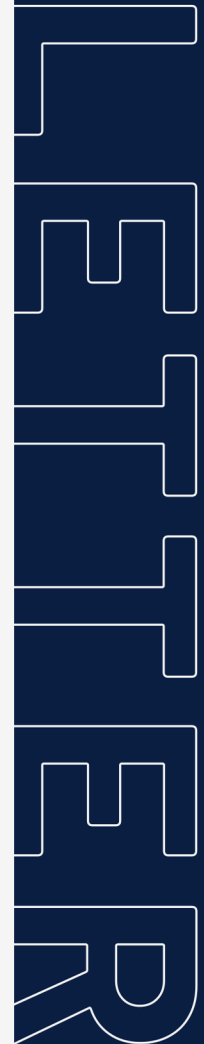
We are motivated to remain an innovative with our best education level, surpassing our students in providing them a better experience.

We help our students by providing them transformational information solutions so that they can have the bright future to build innovative and intelligent ideas.

As we embark upon our journey to the exciting times ahead, we will continue to co-innovative with our education to ensure profitable growth and ever increasing value by creating an inspiring environment for our students.

Desmond Sek

Co-founder & Director



ABOUT US



"Anything worth having takes time."

Xaltius is one of the leading training providers globally with more than 1,00,000 learners across 20+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

GLOBAL PRESENCE

Innovating in the field of technology, particularly in Data Science, Software Engineering and Artificial Intelligence, Xaltius has democratized education across location, age, gender, experience and more. Xaltius has global footprints with learners all across the globe.



Countries

20+

Join a culture as committed to your success as you are with representation from over 50 nationalities.

Learners

100K+

Our alumni network continues to grow strong, and we encourage you to to be a part of it.

Hiring Partners

500+

Recruitment Drives to connect you with the best talent admirers in the Industry.

SOFTWARE ENGINEERING CERTIFICATE COURSE

Become an expert in Software Engineering by diving deep into the nuances of front-end and back-end development, application deployment with tools like Java, JavaScript, ReactJS, and other technologies to take your career in Software Engineering to the next level.



Develop skills for exponential career growth

Cutting-edge curriculum designed in guidance with industry and academia to develop job-ready skills



Learn by working on real-world problems

Capstone projects involving real world problems and applications with virtual labs for hands-on learning



6 MONTHS CERTIFICATION COURSE
4 MONTHS LIVE SESSIONS AND 2
MONTHS CAPSTONE PROJECTS!



Learn from industry experts active
in their field!

COURSE OVERVIEW

Software Engineering has always been the evergreen job and will continue to be so in future. As more and more industries move towards adopting new technologies the demand for software engineers and full stack professionals continues to peak.

Designed to give recent graduates and experienced professionals an extensive holistic education, this Software Engineering Program is a blend of online self-paced videos, live virtual classes, hands-on projects, and labs, with mentorship sessions to provide a high-engagement learning experience and real-world applications to help you master essential Software Engineering skills.

Learning Outcomes

01

Students will understand and develop the architecture of full-stack web applications

02

Students will understand Agile methodologies and how to apply them in web development projects

03

Students will develop end to end applications using backend and frontend technologies



Career Coach

Working with you to identify best suited career opportunities for you. Help you with interview preparations, finding jobs in the market, salary negotiations and other prep as required.

1 on 1 Mentorship

Receive unparalleled guidance from industry mentors, teaching assistants and graders. Personalized Live feedback on assignments, case-studies and solution of all academic and Career queries.

2 month Capstone Projects

Work on a industry projects for 2 months and leverage your learning to build end to end applications guided by dedicated mentors and experts.



SOFTWARE ENGINEERING CERTIFICATION LEARNING PATH



Through rigorous exercises, hands-on projects, assessments, and capstone projects, this program will prepare you to start your career in Software Engineering and Full Stack Development at A-list firms and startups.

Module 1

Front-end Technologies

Kickstart your learning in Software Engineering by understanding how to create beautiful web pages using the latest technologies.

Module 2

Databases and Programming with Java

Learn from our experts on the fundamentals of Java Programming and the various concepts required for application development.

Module 3

Back-end Technologies and AI Driven Software Development

Learn how to create the backbone of any application using the latest technologies and deploy your first application!

Module 4

Capstone Projects

Work on live industry projects in this 2 months segment and learn how to leverage your learning to build end-to-end applications!

COURSE CURRICULUM

MODULE 1: FRONT END TECHNOLOGIES

Introduction to HTML

Dive into the world of web development with an introduction to HTML, the foundational language for structuring content on the web. This course will guide you through creating web pages using HTML elements, tags, and attributes, providing you with the essential skills to build your first website. Perfect for beginners, it sets the stage for your journey into front-end development.

Introduction to CSS

Transform your HTML pages with CSS and discover how to style and layout websites effectively. This course covers the basics of CSS, from colors and fonts to positioning and responsiveness, helping you create visually appealing and user-friendly web pages. Learn how to control the look and feel of your content, bringing your designs to life.

Javascript Fundamentals

Unlock the power of interactivity with JavaScript, the language that powers dynamic web experiences. In this course, you'll master the fundamentals, such as variables, loops, and functions, and understand how to manipulate the DOM for interactive websites. This essential skill set prepares you for a career in modern web development.

ReactJS

Explore the world of modern web development with ReactJS, a popular JavaScript library for building user interfaces. Learn how to create dynamic, scalable web applications with reusable components, state management, and hooks. This course equips you with the tools to craft fast and responsive front-end applications, a must-know skill for any developer.

COURSE CURRICULUM

MODULE 2: DATABASES AND PROGRAMMING IN JAVA

SQL (MySQL/MSSQL) and NoSQL Databases (MongoDB)

Gain hands-on experience with both SQL and NoSQL databases, essential for storing and managing data in modern applications. Learn how to write complex queries in MySQL/MSSQL, while also diving into the flexible, scalable world of MongoDB. This course will provide you with a solid understanding of data management, empowering you to work with any database type.

Java Programming

Get started with Java, one of the most versatile and widely-used programming languages. In this course, you'll learn core programming concepts, including data types, loops, conditionals, and object-oriented principles. With Java, you'll be prepared for a variety of development projects, from mobile apps to large-scale enterprise systems.



COURSE CURRICULUM

MODULE 3: BACK-END TECHNOLOGIES

Hibernate

Master Hibernate, a powerful Java framework for managing data in relational databases. Learn how to create scalable, efficient database interactions using object-relational mapping (ORM). This course will equip you with the skills to simplify complex database operations, enhance performance, and streamline your Java applications.

Spring

Delve into Spring, a robust framework for building enterprise-level applications. From dependency injection to transaction management, you'll learn how to develop maintainable, scalable, and secure Java applications. This course prepares you for real-world back-end development, leveraging the full power of the Spring ecosystem.

Springboot

Accelerate your Java development with Spring Boot, a framework that simplifies the setup and configuration of Spring-based applications. Learn how to create stand-alone, production-grade applications with ease, focusing on quick deployment, embedded servers, and minimal configuration. Spring Boot helps you build powerful, high-performance applications efficiently.

Testing

Ensure the quality and reliability of your software with this course on testing. Covering unit testing, integration testing, and test-driven development (TDD), you'll gain hands-on experience with popular testing tools and frameworks. Learn how to write effective tests and automate your testing process to catch bugs early and streamline your development workflow.



spring®



spring boot

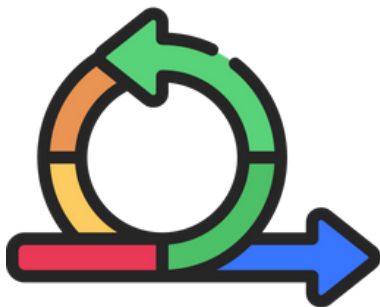
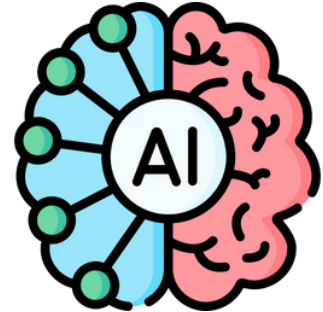


HIBERNATE

COURSE CURRICULUM

AI Assisted Software Development

Embrace the future of software development with AI-powered tools. This course introduces how artificial intelligence can assist in code generation, debugging, and even enhancing decision-making processes. Get hands-on experience with AI tools that boost productivity, optimize workflows, and enhance the development lifecycle.



Introduction to Agile

Learn the essentials of Agile methodology, a flexible and collaborative approach to project management. This course covers the principles of Scrum and Kanban, helping you understand how to break down complex projects into manageable tasks, prioritize work, and improve team collaboration. Agile practices set the foundation for more efficient and adaptive development processes.

COURSE CURRICULUM

MODULE 4: CAPSTONE PROJECTS

The capstone project phase offers students the opportunity to apply the knowledge and skills they have acquired throughout their coursework. Participants will work on real-world problems and collaborate on solutions using front-end and back-end technologies. The capstone project encourages critical thinking, innovation, and hands-on experience in tackling complex challenges, making it an essential part of the learning journey.

FINANCE



E-COMMERCE



HEALTHCARE



REAL ESTATE



MEDIA



FORAGE VIRTUAL LEARNING EXPERIENCE

Experience work with virtual programs from innovative global companies.



1.5 M+

students registered into
Forage programs

70+

programs in diverse
industries and roles

2-5X

more likely to land a job at a
partner company by
completing that company's
virtual experience program

ACCESSIBLE EXPERIENCE FROM TOP COMPANIES



Learn highly relevant skills with
our instructor-led approach



Replicate work at top
companies, and connect
students to the companies
themselves

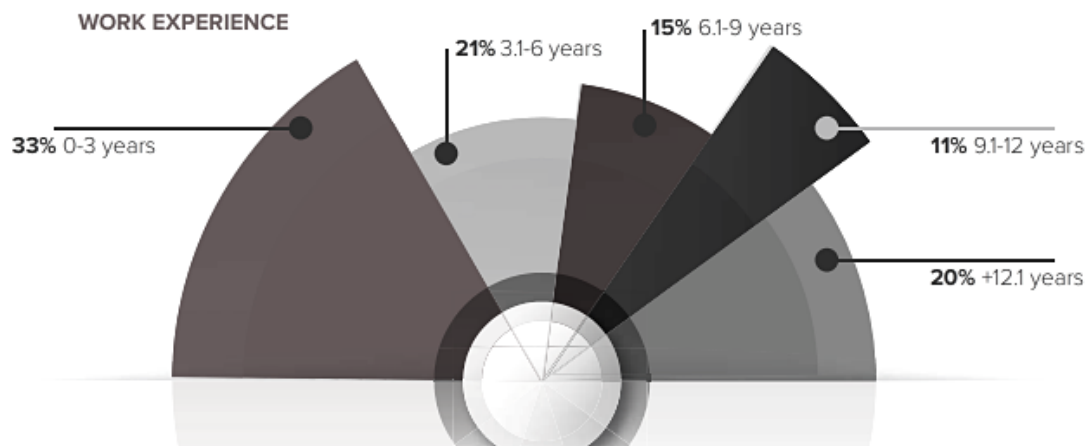
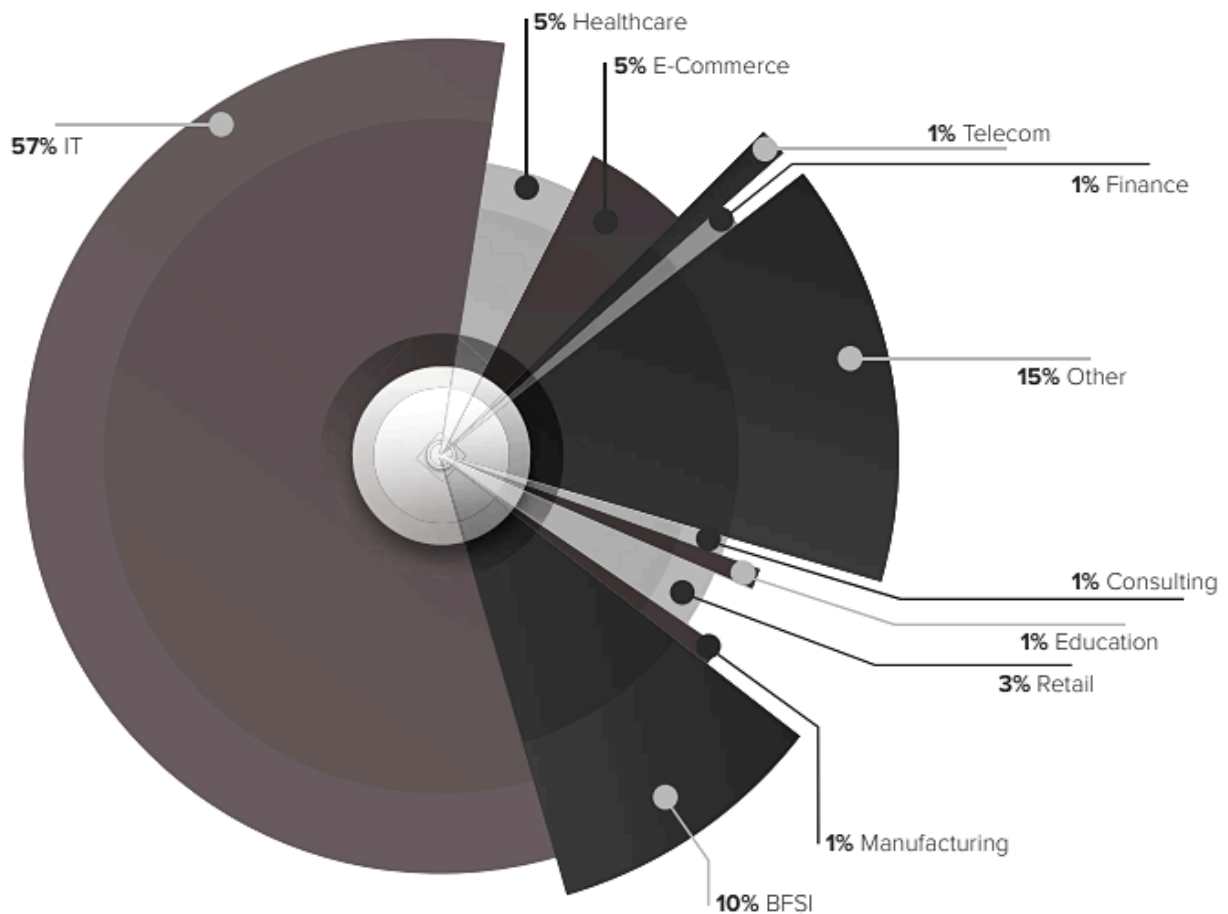


Experience what real work looks like
and learn critical skills, all amongst
some of the best students across the
world.



Get a genuine career advantage with
Fortune 500 companies

STUDENT DEMOGRAPHICS



CLIENTS & PARTNERS



Our Students work at



”

“Education is the most powerful weapon that we can use to change the world.”

– Nelson Mandela





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<https://www.xaltiusacademy.com/>