FAQs

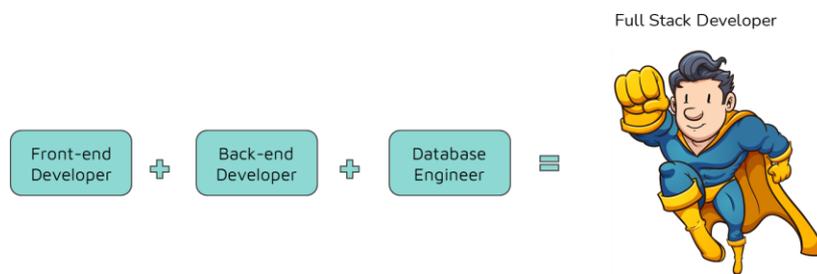## BCA WITH SPECIALIZATION IN FULL STACK DEVELOPMENT

BCA WITH SPECIALIZATION IN Full Stack Development

Full Stack Development FAQs

What is BCA Full Stack Development in collaboration with Xebia?
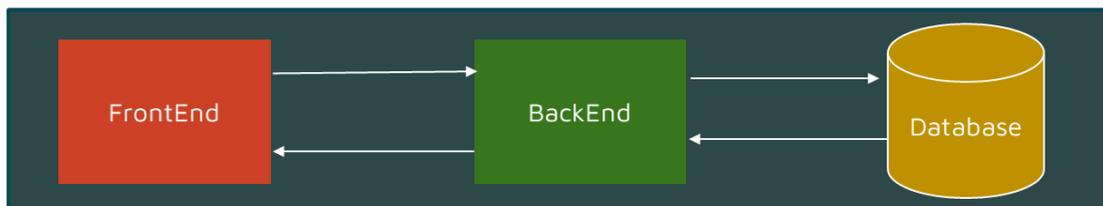
This 3-year undergraduate course of Computer Applications with specialization in Full Stack Development is a program to build a learner as an end-to-end software developer with strong expertise in three major facets of software development; Frontend Development, Backend Development and Database Engineering with all the contemporary technologies employed. Full Stack Developers are the Jack-of-All Trades with a to-and-fro tour to frontend and backend development.
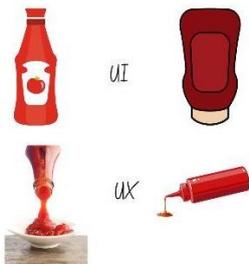

Where do you see Full Stack Development?

Full Stack can be witnessed in every app or software engagement that we make every day. Web Development is the process of building website applications. Frontend refers to the visual parts of the website that visitors can see and experience. Everything that happens in the background, on the other hand, may be assigned to the backend.

Frontend Development: The section of a website where a user can view and interact (User Interface and User Experience): Styling, visuals, navigation, colour, text, alignment, and so forth. Outcome: Performance and responsiveness

Backend development refers to the server-side of web development. Writing APIs, interacting with system components, generating libraries, and so on. It entails developing code and communicating with a database to retrieve data.

Responsiveness of a web application, Ease of use of shopping on ecommerce websites, booking tickets difference between IRCTC and Make my trip, Handling Voluminous data on Website (Even when lakhs of people hit Facebook, it does not crash.)

What is the scope of specialization in Full Stack Development?

Full Stack Development is high in demand with being ranked number 1 amongst millions of jobs by leading job websites with 50% higher salaries than average developers in top 10 companies. 23,000 new jobs in Full Stack developer posted online monthly in India.

What is the task of a Full Stack Engineer?

Full stack developer is someone who works with front end, backend, and database of the application or who Involved in entire application development process. Full-Stack Developers are highly skilled professionals who not only are adequately experienced or are the master of one or more niches but also have well-versed knowledge of another niche as well.

Why take up the Full Stack Development Program?

Full Stack Developers have the qualifications and experience to add ground-breaking features to your product to excite the market having a 360-degree perspective. When many developers specialize in either server-side or client- side programming, there are full-stack developers who have experience and expertise in both realms, making it the most in-demand development the most lucrative opportunities. Some more of the benefits of opting Full Stack Program are:

- **Growth:** Unlimited growth potential as you are not focusing on single tool and technology
- **Pay:** Right from a fresher role to a senior developer, full stack developers are highly paid. As you will be playing a key role in entire development life cycle of the application
- **Trend:** A full-stack developer job ranks No.2 in Indeed and predictions 1.4 million empty jobs in the US alone!
- **Ownership & Credit:** A full-stack developer is predictable to know back-end coding, database technologies, and programming languages like NodeJS, PHP, Ruby, and Python.
- **Work Flexibility:** As the full stack developer works on multiple features of development, they have equal creative suppleness to execute the project. Be it on the technical features or creative borders, they can test various front end and back-end skills to create the best outcome.
- **Lower Dependency:** Tasks related to addition, updates, front-end, and back-end organization and meeting client expectations – all are taken care of by a full stack developer.
- **Increased Productivity:** Relating to the abridged dependencies, a full stack developer is involved in faster decision making.
- **Easy to Learn:** Basic knowledge and lots of interest in web development; one can easily pick up on the skills obligatory to become a full stack developer. As they are usually a jack of all trades, learning the basics of different project development stages is all it takes to kickstart a career in full stack.
- **Constant Up-Skilling:** As full-stack developers handle multiple features of multiple projects, they not only improve their existing skills but are continually watchful about the upcoming skills in the field.

- Amazon
- Microsoft
- Google
- IBM
- Accenture
- Infosys
- Deloitte
- Xebia
- Oracle
- McKinsey & Company

How does the salary bracket for Full Stack Developer look like?

On average, a full-stack developer in India earns 9 LPA. The pay varies depending on experience, job location, company size, etc. An experienced full-stack developer can earn up to 50 LPA, and a fresher can expect minimum INR 5–6 LPA to start with.

What is the demand for Full Stack Development in India?

Full-stack development is a watershed moment in the history of sophisticated technology. It is also one of the most crucial jobs in the world. In India, the number of positions for full-stack engineers has increased by more than 30% in the last year with great salary brackets.

Who will teach me?

Experienced Industry Experts and Practitioners who work on real -time and live projects will directly engage with the learners and train and mentors in the technology domain making them industry ready.

What are the career options in Full Stack Development?

- Software Developer
- Full Stack Engineer
- Frontend Developer
- Database Engineer
- Backend Developer
- API Engineer
- DevOps Engineer
- Web Developer

What skills would I require to become a Full Stack Engineer?
Full stack developer must have technical skills about programs such as HTML, CSS, JavaScript, SQL/NoSQL, Java, Object-Oriented Programming, Node, React, Testing and the like. More the skills, better a developer.

What are the career options for Full Stack Engineers (What are the Business domains to work with)

In the world of Software development and Applications the capacity to deal with high volume of data and ease of use and responsiveness is the key. Build Robust, Secure, Responsive, and performing

Systems in all application areas from Ecommerce Business, food delivery applications to Learning Management Systems incorporates elements of Full Stack Web Development

Specialization Programme with Xebia

General Xebia Specific FAQs

Why Should we choose a specialized course instead of normal BCA?
The industry is evolving, and it needs skilled people, equipped with the knowledge of the latest tools and industry trends. Thus, specialization helps in bridging that gap and make students fully industry ready.

What is the company about?
Xebia is a pioneering IT consultancy and Software Development Company headquartered in Netherlands with offices globally USA, UK, France, Dubai, and India. It has a group of highly ambitious craftsmen and delivers high-quality training to cover all aspects of digital transformation- From digital strategy to technology implementation and full stack digital transformation.

The company provides innovative solutions and services to help organizations become a digital winner.

Xebia's expert collectives specialized in Data & AI, Cloud, DevOps, Full Stack Development, Business Agility, Security, Training & Learning, Software Development, Product Management and Quality Improvement, empower our brand.

The company have collaborated with universities to provide specialized courses in the technologies which are highly demanded in the industry.

Does Xebia provide any extra support (like optional topics, certifications)?
At the end of the course Xebia will provide a certification with the degree from the college for the specialization. There will be activities such as hackathons, tech sessions and Industry experts' sessions, regular webinars and support of mentor.

Xebia will also provide support in getting internships & relevant job opportunities within Xebia and its client network.

Why should I join this course?
- State of the Art Curriculum Designed by Industry Practitioners and Academic Experts
- Learn in a way to revolutionize the industry with top-notch skills.
- New Age Flexible Course Structure for the New Age Professional
- Access to Xebia's Enterprise Learning Management System "Digital Learn"
- Regular masterclasses by Xebia Industry Experts
- Continuous Evaluation Program including Assessments and Assignments

- Opportunity to access various Instructor led programs, Mentorship programs, Capstone programs and Student Development programs.
- Full access to Xebia Knowledge Exchange (XKE) Portal
- Full access to various open-source tools
- Virtual lab environment for hands on experience
- Working on More than 20+ real time projects
- Excellent placement opportunities through Xebia Corporate partners
- Opportunity to participate in the following student led initiatives at Xebia providing a platform to get recognized with the global-tech community
  - Campus Ambassador Program
  - Xe-Thon including Champions League, Ideathon and Hackathon
  - X-Tech TED: Xebia Tech Ted Week
  - Annual Conclave
  - TECH-XE – The Student-Led Quarterly Newsletter.

What are the course delivery methodologies? How would Xebia ensure there is hands-on learning to learn the practical side of these technologies.

- The Experiential Learning Module is designed to provide students with hands-on experience on a wide range of technologies, while working on projects that emanate from real-world business scenarios. It not only helps them familiarize with industry standard methodologies and technologies in use by distinct industries, but also helps evaluate and identify – from their own personal experience – the role and/ or projects that they are best suited to work on.
- Students will also be assigned projects/case studies and will be expected to demonstrate the knowledge and concepts learnt in the class. The assessor will be markingstudents' performance on various parameters expected out of program.
- Case Study: Refer to real time problems that can be referred to a specific topic mentioned above which caters a particular business/ functional use case, to make the sessions intuitive.
- Exercises: The context of exercises is to ensure a thorough hands-on perspective of the sessions and give programmatic exposure to the attendees. Faculty shall drive that by expressing individual topics via hands on exercises as much as possible to ensure the effectiveness of the sessions.
- Assignments: To keep the attendees/participants engaged and enhance their learnings beyond live sessions, they shall be given access to a pool of assignments pertaining their credibility of the sessions with regards to the level of complexity, there shall be dedicated offline & online assignments for the participants to accomplish their learning imbibed.

Would Xebia support us with any Industry project and what mentorship support will be provided?

Xebia

The content is provided by industry leaders, validated by educators and industry partners, and adopted by academic institutions globally.

Our team has worked with industry experts to provide insights into careers that are taking over the job market. The course content is aligned to this market research, which is updated regularly to ensure our material stays relevant to the needs of the industry.