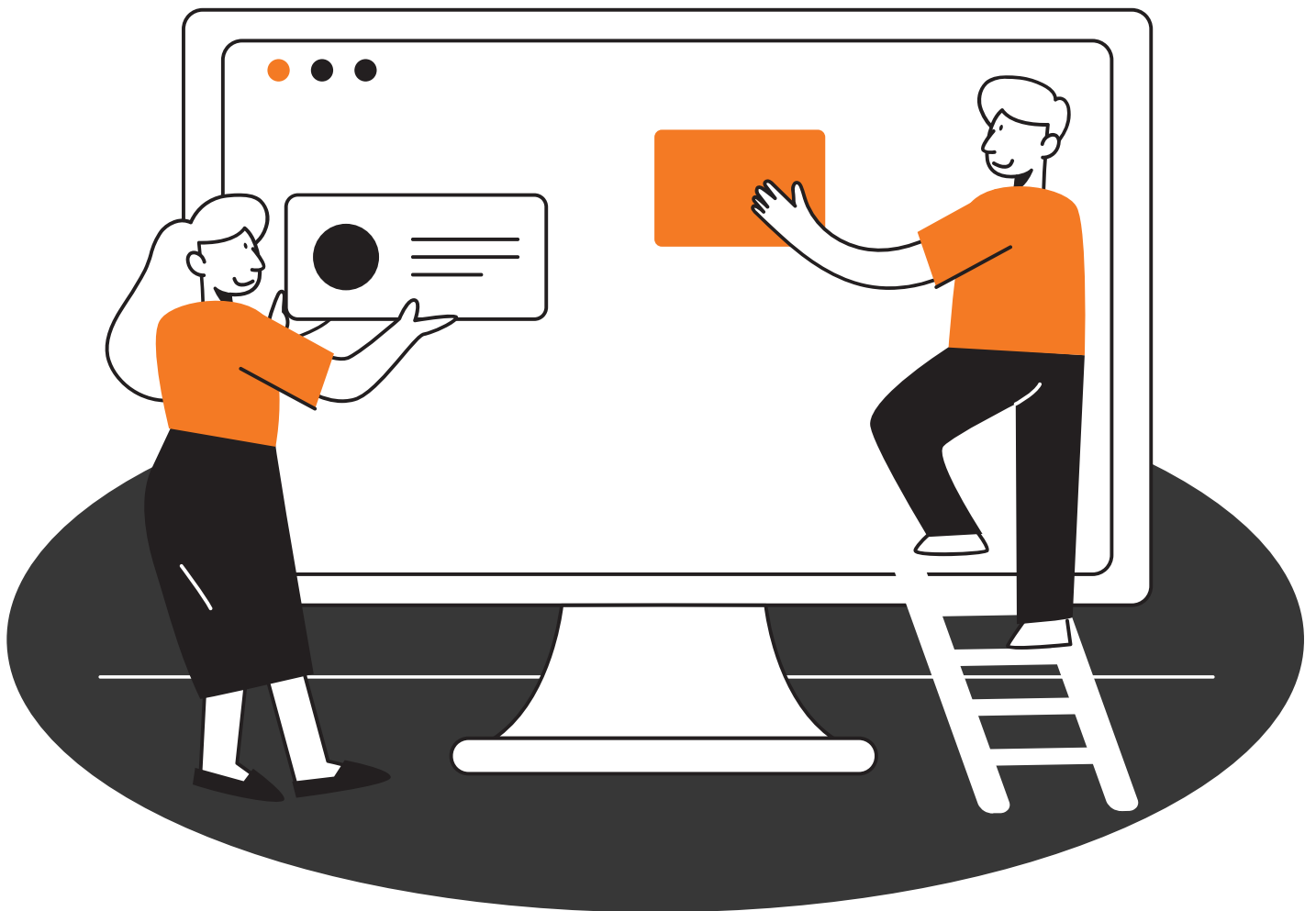




Full Stack Web Engineering



Industry Insights

The **web engineering** industry in India is one of the fastest-growing sectors of the economy, with experts projecting a significant increase in demand for **web developers**, designers, and other professionals in the industry in 2023. The country's large pool of highly-skilled and educated IT professionals, combined with its relatively low labor costs, has made it a highly attractive destination for global tech companies, startups, and other organizations looking to outsource their web development needs. As of 2023, the **web engineering** industry in India is experiencing significant growth and is expected to continue to expand in the coming years. With a population of over 1.3 billion and a rapidly **growing tech-savvy** middle class, India is becoming an increasingly important market for **web-based products** and services.

One of the key drivers of this growth is the increasing availability of high-speed internet access across the country, which has led to a surge in **online activity** and e-commerce transactions. This has in turn fueled demand for web development services, including **website design, development**, and **maintenance**.

The industry is also benefiting from the growing popularity of mobile devices in India, which has led to an increased demand for **mobile-friendly websites** and web applications. Many businesses are now adopting a **"mobile-first"** approach to their web presence, as more and more users access the internet primarily through their smartphones.



Program Highlights

The **Full Stack Web Engineering** course is a comprehensive 90-day program designed to provide students with a solid understanding of web engineering and progressive development in the software industry. The program covers a wide range of topics, including **Frontend UI** development, **Backend UI** development with **PHP** and **MongoDB**, **API development**, and **Ajax techniques** through a live project. Throughout the program, students will gain **hands-on experience** with industry-demanded skills, including **HTML**, **CSS/SCSS**, **Bootstrap 5**, **practical CSS**, **JQuery**, **JavaScript**, **PHP**, and **MongoDB**. The program places a strong emphasis on practical application, with students gaining hands-on experience in multiprocessing and PHP workers.



One of the program's main highlights is its focus on providing students with the agile skills needed to succeed in the industry. The course is taught by **experienced instructors** who are experts in their field, providing students with the best possible **training and support**. Students will be able to **interact with their instructors** and receive feedback and support throughout the program. Upon completion of the course, students will receive a certificate showcasing their expertise in full stack web engineering. This certificate will be a valuable asset when seeking employment in the field or pursuing further education. Overall, the Full Stack Web Engineering course provides a comprehensive and practical education in web engineering and progressive development. Students will gain valuable skills and experience and be well-equipped to succeed in the industry

Program Perks



Certificate Included



Practical training with SNA labs



Q&A Sessions with the Mentors



Industry Experts Training



Community Learning



Carrier Guidance

Topics Covered



- Frontend UI Development
- jQuery & JavaScript
- HTML & CSS/SCSS
- Javascript Minifiction and Obfuscation



- API Development and Ajax Techniques



- Object-Oriented Programming
- PHP Magics to Simplify Coding Workflow
- PHP Multiprocessing and PHP Workers



- Integration with MySQL, MongoDB Database
- Backend UI with PHP & MongoDB



- Docker Essentials for Devops
- Frameworks Constructions for CI/CD Practices
- Project Architecture-CI/CD Practices



- Understand WebSockets using RabbitMQ
- Defense against JS Debugging, DDoS, OWASP
- Server & Network Architecture



- Task Management Integration into VS Code
- Understand Redis for Caching, Message Quening



Program Mentors



Sibidharan Nandhakumar

Founder of Selfmade Ninja Academy

About

Sibidharan is a highly experienced web technology with over 13 years of experience in the field. He has worked on a wide range of projects, including designing and developing websites and creating custom web applications. He has a deep understanding of programming languages such as HTML, CSS, JavaScript, and PHP, among others.

Program Testimonials

Our students has given their honest reviews and sharing their experience about our **Full stack Web Engineering**. The testimonials are given below.

“ Im really lucky to be a part of SNA and i grabbed tremendous amount of knowledge from SNA. I want this platform to grow more and teach many students who want to learn actual technology and gain a lot of experience.



Umer Farooq

FS Web Engineering Student

“ I had never experienced this kind of teaching in my life. Really your teaching is awesome and you changed my way of thinking. Tq bro



Vijayan R

FS Web Engineering Student

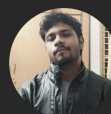
“ We are experiencing a new innovative style of learning which is time consuming and also learn easily so the lab was worth for us.



Hari

FS Web Engineering Student

“ Sibi's course brought me back to track. I consider this course as one of the best investments in my life. It changed me as a person and it made me look at programming with a different view :)



Hemal Jayachander

FS Web Engineering Student



Roadmap for Full Stack Web Engineering

0 – 10 Days

Learn the basics: Start by learning **HTML, CSS, and JavaScript**, which form the foundation of front-end web development.

10 – 20 Days

Master front-end frameworks: Learn a front-end framework such as **React or Angular to build dynamic user interfaces**.

30 – 40 Days

Learn databases: Study database management systems such as **MySQL, MongoDB, or PostgreSQL** to store and retrieve data.

20 – 30 Days

Learn back-end development: Study server-side programming languages such as **Node.js, PHP, or Ruby on Rails** to build the backend of web applications.

40 – 50 Days

Learn version control: Learn how to use **Git for version control and collaborate with other developers**.

50 – 60 Days

Build projects: Build a **portfolio of web applications** to demonstrate your skills and knowledge.

70 – 80 Days

Learn security: **Study web security best practices and how to secure web applications**.

60 – 70 Days

Learn deployment: Learn how to deploy web applications to a server, using tools such as **Heroku or AWS**.

80 – 90 Days

Stay up-to-date: Stay current with the **latest developments in web engineering** by attending conferences, participating in online communities, and continuously learning new technologies.

Full Stack Web Engineering

Course Includes:

Full C Programming Course:

A comprehensive C programming course teaching the fundamentals of C, advanced topics like dynamic memory allocation, structures, best practices, and real-world application building through hands-on exercises and practical examples.

Full PHP Programming Course:

Master PHP programming from basics to advanced concepts like syntax, OOP, MVC, database integration, security measures and real-world web development practices in this comprehensive course with hands-on projects and practical examples.

Docker Essentials For Devops:

A Docker essentials for DevOps course teaches the basics of using Docker for efficient and secure application deployment. Topics include containers, images, orchestration, networking, security, and integration with CI/CD pipelines. It helps DevOps professionals leverage the benefits of Docker in their workflow.

HTML/CSS Frameworks & Templates:

HTML/CSS frameworks & templates course teaches web development using pre-existing frameworks and templates to speed up the design process. It covers HTML/CSS basics and popular frameworks such as Bootstrap and Materialize. It helps developers become proficient in using these tools to save time and effort in their projects.

Javascript & JQuery:

Javascript & JQuery course teaches the basics of JavaScript and JQuery, a popular library, to create dynamic and interactive web pages. The course covers topics such as variables, functions, events, and HTML element manipulation. It helps web developers understand and utilize these tools.

Frontend-Backend Integration Techniques:

A course teaching techniques for frontend-backend integration, including API communication, data exchange formats, security and scalability, and integration of popular frontend frameworks with backend technologies through hands-on projects and practical examples.

Full Stack Web Engineering

Course Includes:

Object-Oriented Programming :

Learn the Object-Oriented Programming (OOP) paradigm with a focus on encapsulation, inheritance, polymorphism, abstract data types, modular design and how to apply OOP concepts to real-world programming problems through hands-on exercises and practical examples.

PHP Multiprocessing and PHP Workers:

Learn about multiprocessing and worker techniques to enhance the performance and scalability of PHP applications, including process management functions, worker processes for heavy computations, queues and message passing, and best practices for debugging and error handling, through hands-on projects and exercises.

PHP Magics to Simplify Coding Workflow:

Learn how to simplify and streamline your PHP coding workflow with magic methods, including construct and destruct, property and method overloading, static methods and properties, interfaces, traits, Reflection API and type hinting, through hands-on projects and practical examples.

AJAX Programming and API Development:

AJAX allows for fast, dynamic updates to web pages without reloading. API development involves creating specifications for communication between software components, enabling access to server-side data and creation of applications on top of platforms.

Framework Constructions for CI/CD Practices:

CI/CD frameworks are tools and systems used to automate the software development pipeline. They provide a set of tools and procedures for automating tasks like code testing, building, and deployment to streamline the release process and ensure reliable software releases. They improve collaboration, speed up time-to-market, and reduce errors in the release process.

Integration with MySQL, MongoDB Databases:

MySQL and MongoDB are popular databases for storing, organizing, and retrieving data. Integration allows for data transfer between databases and applications. MySQL uses SQL for managing data in tables, while MongoDB uses JSON-like documents in a NoSQL system. Integration enables efficient data storage and retrieval for applications.

Full Stack Web Engineering

Course Includes:

Understand WebSockets using RabbitMQ:

WebSockets enables real-time, bidirectional communication between client and server. RabbitMQ is a message broker using AMQP for exchanging messages between applications. Combining these technologies allows for efficient and reliable real-time communication in applications such as online gaming, chat systems, and collaboration.

Understand Redis for Caching, Message Quening:

Redis is an in-memory data store that can serve as a database, cache, and message broker. It improves application performance and scalability by providing fast access to frequently used data, and enabling reliable real-time communication between applications through message queuing.

Network Architecture:

Network architecture is the design and structure of a computer network, including hardware, software components, and communication protocols. It should meet the specific requirements of an organization and consider factors such as network size and application needs. Different architectures include client-server, peer-to-peer, and cloud computing. A robust network architecture is essential for network efficiency and success.

Server Architecture :

Server architecture refers to the physical and logical design of a server system, including hardware and software components. It is designed based on the server's specific requirements and goals, such as performance and scalability. Different architectures include single-server, multi-tier, and cloud-based. A well-designed server architecture is essential for efficient server function and successful applications and services.

Project Architecture-CI/CD Practices:

Project Architecture-CI/CD Practices is a software development approach that automates the process of building, testing, and deploying code changes to improve speed and quality of software delivery. It aims to catch errors early and continuously deploy validated changes to production, reducing risk of bugs and downtime.

SCSS to CSS Automation:

SCSS to CSS Automation is the conversion of SCSS files (Sass) into CSS files for web use, facilitated by build tools like Grunt or Gulp. This streamlines the development process and saves time by automating the conversion, making it easier to update styling for websites/applications.

Full Stack Web Engineering

Course Includes:

Javascript Minification & Obfuscation :

Javascript Minification & Obfuscation are techniques to reduce code size and make it harder to understand, respectively, improving performance and security. Minification removes whitespaces, comments, and shortens names to reduce file size, while obfuscation transforms code into a complex, hard-to-read form. Both techniques are used to enhance the performance and security of Javascript applications.

Defense against JS Debugging, DDoS, OWASP:

Defense against JS Debugging, DDoS, and OWASP protects web apps and services from malicious attacks. Defense against JS Debugging prevents unauthorized access to code, while defense against DDoS protects against traffic floods. OWASP provides a list of critical security risks and guidance on prevention and mitigation. Implementing these defenses and following OWASP best practices helps ensure security and availability.

Task Management Integration into VS Code :

Task Management Integration in VS Code is a feature that allows developers to manage tasks within the editor. It provides a central place for task management, making it easier to stay organized and focused on work. Integration can also be configured with popular task management tools, like Trello or Asana, for a seamless experience.

Program Fees

For a course fee of just **Rs. 6000 + GST** per user, you'll get access to a wealth of resources that will help you master the ins and outs of programming. This includes one year of access to course videos in DRM and SNA labs, which will allow you to learn at your own pace and on your own schedule. But that's not all – we believe in providing our students with ongoing support and assistance, even after the course is over. That's why we offer lifetime access to our class Telegram group, where you can engage with other students, collaborate on projects, and continue to learn from each other. Plus, you'll have direct contact with our experienced tutors in Telegram, who can help answer any questions you have and provide personalised guidance

Step By Step Procedure To Enroll



Easy Registration

In a few simple steps, you can register in our course. Choose your preferred course, then fill out your basic information and submit your application. Your application will be approved in a matter of seconds. Make a payment and enroll in the course.



Quick Evaluation

We have an amazing technical support team that is available 24 hours a day, 7 days a week, and students can get answers to their questions quickly. We also have a community group for our students where they can interact with one another in real time.



Start Upskilling

Start your learning journey and get set to scale greater professional heights in the Web Technology arena and we provide course completion certificate



About SNA



SNA Academy is a leading provider of online education and training programs. We believe in the power of education to transform lives and create opportunities, and we strive to make learning accessible and affordable for everyone. Our team is made up of educators, professionals, and experts who are dedicated to providing **high-quality, engaging content** that helps our students succeed. Whether you're looking to advance your career, learn a new skill, or simply expand your knowledge, we have a program for you. At SNA Academy, we're committed to helping you achieve your goals and reach your full potential.

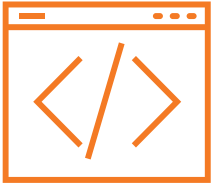
Selfmade Ninja Academy was founded by **Sibidharan** in 2020 to educate students in the field of Engineering and Hacking. Our community is growing with over **5,000 students**. SNA labs were built for our community of students. We have courses in **programming, Cyber security, IoT, Website Engineering** and various other fields of Engineering. We have designed labs to teach more than 1000s of students online, to ensure they all have the same environment to practice, learn, collaborate and growing .

All the students will have the same environment and computing power as the instructor so that the instructor can easily give instructions without worrying about the local hardware or software requirements of the students.

Selfmade Ninja Academy has emerged as a product delivery company that has had years of planning its **virtual IaaS cloud-based lab** obtained through years of experience in enlightening the students and educating the students online.

What is **SNA LABS**

Labs comes with variety of tools like **Gitlab, VPN, Public labs** etc., Which is what all companies uses to design, develop and deploy **real world app**. To compete with this industry, we offer the same powerful tech at hands and homes of every learner.



Maintaining a code as important as writing code. This habit pushes the students to **become a professional developer & managers** who can master the ways of the industry.



Labs gets everyone to access and explore the **cutting edge development workflows & technologies** that is used in all the giant companies, Thus this exposure **guarantees growth** for everyone using labs.



Take your lab public & host anything you want to the world can see you over the web. Showcase your potential **without paying for any real servers**.



Labs are deeply configured to work with the **OEM document** so that students gets industry standard documentation for everything they learn as the integral part of our services.

Outcomes of practicing with **labs**

Connect

Public web, **Virtual private network & Git** lets students connect with each other & with their instructors like never before.

Collabrate

Connection offers collaboration where students learn to **collaborate with others** to learn to work as a team & git has everything to make this happen.

Explore

With a life like OS on lab, they can explore various industry standard technologies that are used for **design, develop & deploying real world apps**.

Learn

Learn like never before, with multiple **disposable labs of OS** with variety of OS by services, sky is the only limit.



THANK YOU
HAPPY LEARNING

