

# nology

TALENT IN **TECH**NICOLOUR

## SOFTWARE DEVELOPER COURSE BROCHURE

in partnership with





# THE TECH TRAINING AND TALENT HUB

#TalentinTECHnicolour

@NOLOGY.IO

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# WHAT WE DO

## MAKING TECHNOLOGY BETTER, TOGETHER

We are \_nology: a tech training and talent hub that offers professional coding courses.

We bring aspiring developers and businesses together to create the next generation of tech talent: a future-proof force. Whether you're a recent graduate looking for practical experience to prepare you for entering the world of work, or you're taking the first steps towards an exciting career change; we're on a mission to connect more people, like you, to the opportunities and rewards of a career in technology.

Our [Software Developer Course](#) is designed to equip you with relevant, up-to-date skills and experience to accelerate your career in the dynamic tech jobs market.

### COURSE FEATURES

12 weeks

of full-time virtual  
training

500 hours

coding experience

Real life

client project

1:1

careers coaching and  
support

200+

specialist recruiters

# THE OPPORTUNITY

## A GLOBAL TECH SKILLS SHORTAGE

Year-after-year, the global investment into tech is increasing at an exponential rate. As a result, the demand for people with tech skills is outstripping the supply of available talent.

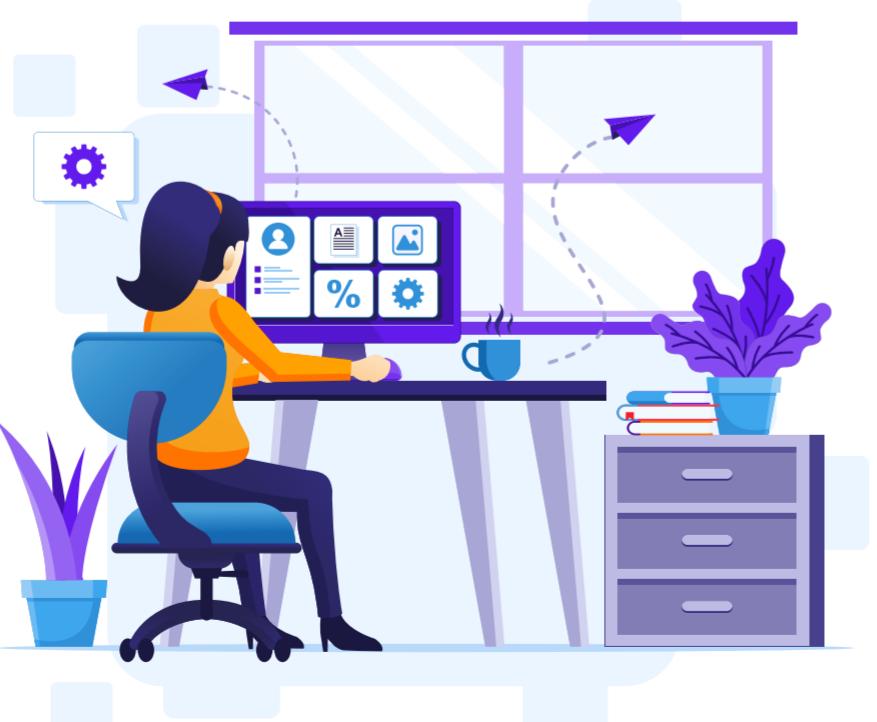
Predicted shortfall  
of **500,000 coders**  
**in the UK by 2022.**

Software Developer  
roles among **top 5**  
**most advertised in UK.**

By equipping yourself with some of the most in-demand skills, you'll set yourself up for a thriving future-proof career.

Due to the short supply of tech talent, tech professionals are well positioned to command a generous and consistently increasing salary.

- Earn up to **44%** more than in a non-tech job.
- **£50K** average salary for web developers in the UK.
- Average salary increases by **12%** every year.





# OUR MISSION

## CREATING A NEW GENERATION OF TECH TALENT

Close the tech skills gap.

Improve diversity in the tech sector

Create a new generation of tech talent

**Our mission is to change people's perceptions of working in tech.**

There is a common misconception that you have to possess a technical background and fit a certain profile to work in a tech job. As a result, very little diversity exists in the sector.

We exist to debunk the myths surrounding tech jobs and to make software development a career path that's accessible to all, no matter your background, gender, age or previous experience.

Our course enables a diverse pool of talent to accelerate their career in tech, which will help to close the tech skills gap, improve the diversity in the sector and ultimately create the future generation of tech talent.



# OUR COURSE

## BECOME A SOFTWARE DEVELOPER

Learn to code and become a software developer in just 12 weeks.

Our [Software Developer Course](#) is an intensive and practical training programme, designed to equip you with the technical know-how and all-important professional skills you need to not just graduate as a coder, but to thrive as a professional software developer.



# COURSE CURRICULUM

## WEEK BY WEEK

Our curriculum is driven by the tech jobs market. We consistently seek feedback from our hiring partners to ensure that you are learning the most up-to-date and relevant content for today's workplace.

Learn HTML, CSS, SCSS, JavaScript, React, Node.js, GIT, Firebase and more

Agile project management and professional skills coaching

Build multiple personal projects and a group client project



## 3 WEEKS BEFORE COURSE: PRE-COURSE CHALLENGES

To help you kickstart your learning, you will be sent a pre-course learning plan that will introduce you to the coding concepts that you'll build upon during the course and get you working on your first personal project.

- Video tutorials
- 4 pre-course challenges
- 40 hours of learning

## WEEKS 1-2: WEB FUNDAMENTALS

Start by getting confident with the basics of software development. You'll be writing and deploying code to production from day one!

- Source control: GIT, Github flow, Pull Requests, Code Reviews
- HTML basics: Semantic HTML, accessibility, web page structure & creation
- Responsive design: Design concepts, Grid, Flexbox, Media queries
- Basic DOM interaction to hide & show page elements
- Styling with CSS & CSS preprocessors
- Package management with NPM & Yarn

## WEEK 3: WEB INTERACTIVITY

Once you've got the hang of the basics, it's time to add some interactivity to your websites. You'll learn how to write clean JavaScript that's easy for others to read and understand. You'll challenge yourself to complete the tasks set by your coaches and pass automated tests to check that your code meets all the requirements.

- Introduction to JavaScript (ES6)
- Variables, Data Types, Scope, Functions, Objects, Arrays
- Further interaction with the DOM to produce more complex applications & functionality
- Loops and Array iterators

## WEEK 4: OBJECT ORIENTED PROGRAMMING & WEB TESTING

This week focuses on core concepts shared across numerous programming languages, making it easier to pick up and use new languages as you progress in your career. You will also learn how to ensure the quality of your code and automate testing of your applications.

- Introduction to OOP, Classes & Encapsulation
- Principles of testing
- TDD, Unit testing & Jest
- Continuous Integration with Github & TravisCI

## WEEK 5: PROFESSIONAL SKILLS

Becoming a job-ready developer is so much more than just knowing how to code. Key professional skills are fundamental to long term success in development. You'll spend week 5 working on all the things that make you a rounded professional, and at the end of the week you'll be ready to deliver a 10 minute presentation to your colleagues, the \_nology staff and industry experts in the style of an interview presentation

- Agile project management
- Presentation coaching
- Assertiveness in the workplace
- Active listening
- Dealing with failure

## WEEKS 6-9: JAVASCRIPT FRAMEWORKS & CLIENT PROJECT

JavaScript is one of the most flexible and common programming languages in the world, used in robotics, apps, websites and hardware. It is quickly becoming essential to the success of any professional developer. Inspired by Facebook's approach to software development, you will learn to use React, Redux and Firebase to quickly build web-apps according to industry best practice. You will work on a group project for a real-life client. You'll gather their requirements and solve their problem incrementally, giving frequent feedback, weekly demos and improving the product week-by-week. You'll deliver a live release at the end of week 10 and see your product being used by real users!

- Atomic design & componentisation
- Comparison of popular JS frameworks
- Setting up React
- Components, Props and State in React
- Introduction to Backend As A Service & Firebase
- Build REST APIs using Node.js and Express
- NoSQL databases
- Authentication and Authorization
- Group work on a client project

## WEEK 10: ARCHITECTURE, NETWORKS & TESTING

Learn about the supporting technologies and principles surrounding software applications. You will look at how software systems are designed and how to read architectural diagrams, where applications are hosted, how they talk to each other and how to test these connections.

- Designing & understanding Systems Architecture
- Networking fundamentals, hosting & HTTP
- Building on Unit Testing with Integration Testing
- API testing & Postman

## WEEK 11: NODE.JS

The modern developer needs a good understanding of what's happening under the hood! We do a week of Node.js content to show you how the JavaScript language can work on the server side to improve your understanding of the full development stack.

- Building a RESTful API from scratch
- Incorporating your custom API into a pre-built React frontend
- Knowledge of how to deliver a full stack application

## WEEK 12: JOB-READINESS

The final week of the course is all about preparing you for your first job as a developer. Our Careers Team will provide coaching in CV writing and interview technique. You'll have the opportunity to demo your projects to some of our hiring partners.  
Interview preparation

- Practice Tech Tests and Assessments
- CV, LinkedIn & Github refinement
- Mock Business & Technical interviews
- Job searching with tech recruiters
- Networking events with our hiring partners

# COURSE SCHEDULE

## YOUR DAY AT \_NOLOGY

Structure will make or break the learning experience, which is why we have put a lot of thought into how best to structure the training day to ensure that you are consistently engaged, focused, supported and having fun. Here's what you can expect from a day in the life of a \_nologist.

Training hours: **Monday - Friday, 8.30am - 5.00pm**



**8.30 - 9.00am:**

### MORNING STAND-UP

We will kick off each morning with a virtual "stand-up" via Google Meet to catch-up on what each of us has been working on.

**9.00 - 10.00am:**

### INTRODUCTION OF NEW CONCEPTS

Each morning, you will be learning new concepts. Our Coaches will start the training by explaining what the concept is, why it is important, and where and how to use it.

**10:00 - 10:10am:**

### BREAK

Regular breaks are so important to ensure that you remain focused. You'll take frequent short breaks throughout the day to re-hydrate, stretch your legs and refresh your mind.

**10:10 - 11:20am:**

### NEW CONCEPT CODE-ALONG

Once a new concept has been introduced, you'll participate in a live "code-along" with our Software Coaches, who will show you how to use that concept in practice. We utilise Google Meet and VS Code Liveshare to facilitate collaborative learning. During the code-along, you'll be set small challenges, giving you the opportunity to explore the concept independently.

**11:20 - 11:30am:**

### BREAK

**11:30 - 1:00pm:**

### NEW CONCEPT CHALLENGES

The best way to learn is by doing, so you will be set challenges to work through either independently to cement your own understanding, through pair programming techniques to tackle more difficult challenges, or take it on as a larger group. The Coaches will always be on-hand to help you overcome any obstacles and support your learning.

**1:00 - 2:00pm:**

### LUNCH BREAK

**2.00 - 5.00pm:**

### CLIENT PROJECT WORK / CULMINATION CHALLENGES / REVIEW & QA

The afternoons sessions are dedicated to larger project work, including personal projects, group client projects, code reviews, quality assessments, portfolio refinement, practice tech tests. The Coaching Team will be available every afternoon to coach you through your projects and to provide you with daily one-on-one support and feedback.

**5.00pm+:**

### PERSONAL PROJECT WORK

When the training day is over, we encourage you to work on something you find interesting or to build something using the concept that you found most difficult that day. This is a great way to solidify your understanding.

# YOUR NEW CAREER

## BECOMING JOB-READY

Our course is designed to shape you into a [job-ready developer](#), which requires so much **more than just learning how to code**. That's why we will also equip you with a **multitude of professional skills** that will prepare you for a smooth transition into your new career.

We know that applying for your first job as a developer probably seems daunting right now, but don't fear. We have a **dedicated Careers Team** who will provide you with **professional training, advice and feedback** to maximise your employability.

Professional skills training

Networking opportunities

1:1 careers coaching

CV prep

Mock interviews

Practice tests





# GETTING HIRED

## OUR RECRUITMENT PARTNER



\_nology was founded under **Opus Recruitment Solutions**; the fastest-growing tech recruitment consultancy in the world.

Through our partnership with Opus, we are connected to **200+ specialist tech recruiters** who work with more than **2000 companies globally**.

Following your training with \_nology, the recruitment team at Opus will open the doors to multiple job opportunities to kickstart your new career.

Our course will prepare you for a role as a "Junior Software Developer", or similar.

We work with some brilliant brands and businesses, from start-ups to global firms.



# FEES & FUNDING

## OPTIONS

Our course fees reflect the true value of the expert training and on-going career support you'll receive.

12 Week Software Developer Course Fee: **£6,975**

A deposit of £1,200 will be due upon signature of the contract.

The remaining balance of £5,775 is payable 14 days before the course start date.

The UK's largest private student lender. Submit an application for a pre-approval quote. Make sure to select "\_nology" as the institution.

## FUNDING OPTIONS

### DIRECT PAYMENT

Fund the course yourself, either using existing savings or personal loans.

### STUDENT LOAN

We have partnered with reputable student lenders to offer you financial flexibility and peace of mind. Get in touch with one of our funding partners, who offer loans to cover course fees and living costs, allowing you to spread the payments over time.



A loans provider specialising in tech courses who offer interest-free loans for up to 12 months. Submit an application to find out if you're eligible within minutes.

A specialist loan provider dedicated to education finance for UK residents, with a fixed interest rate for the duration of the loan and no early repayment penalties. Submit an application to find out if you're eligible.

A marketplace for lenders. Submit an application to be matched with suitable loans options.

# ADMISSIONS PROCESS

## LOOKING BEYOND TECHNICAL SKILL

Don't be concerned that you don't have the right qualifications or experience to become a software developer.

Only  $\frac{1}{2}$  of the world's software developers have a degree in Computer Science

Our [admissions process](#) looks beyond traditional qualifications and instead seeks out the attitudes and traits that really matter to thrive in a tech career:

COMMITMENT

COURAGE

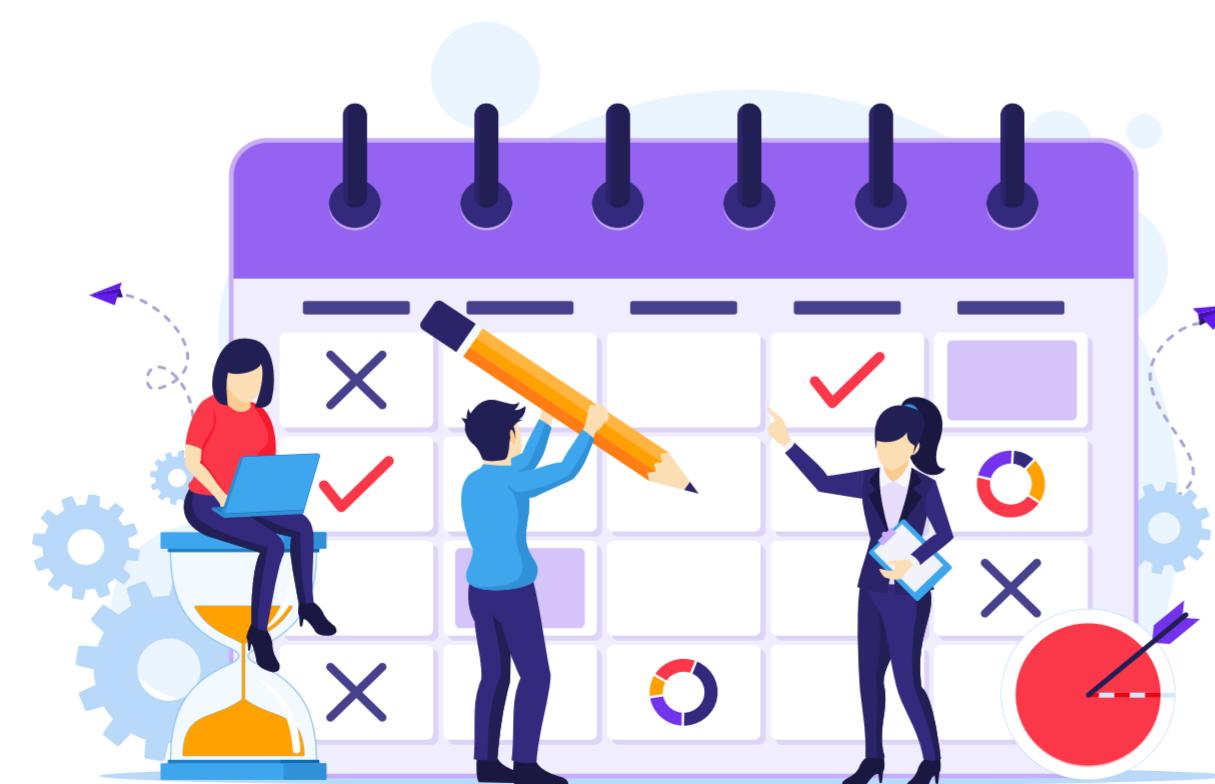
CURIOSITY

CREATIVITY

COMMUNICATION

PROBLEM-SOLVING

RESILIENCE



## TO APPLY: STEP BY STEP PROCESS

### Step 1 -

#### ONLINE APPLICATION

To get the ball rolling, [submit an application](#) through our website.

### Step 2 -

#### PHONE INTERVIEW

We want to know more about you and your reasons for applying.

### Step 3 -

#### TECHNICAL COACHING ASSESSMENT

We want to see how you engage with our coaching style. You'll be invited to take part in a coding session with one of our Coaches. They'll introduce you to basic coding concepts and set you challenges to work through. You will be assessed on your coachability rather than your prior technical skills or knowledge.

### Step 4 -

#### OFFER TO JOIN

Once our Admissions and Coaching Teams are confident that you're a good fit for the course, you will be offered a place on an upcoming intake.

Our courses are very popular and fill up in advance, so we recommend that you submit an application at least 6 weeks before the start date to avoid disappointment.

# TESTIMONIALS

## WHAT OUR TRAINEES SAY

[Here's what our trainees say](#) about their experiences on the course and how it has launched them into their new careers.

### JAMES

The \_nology course was the best 3 months I've had in years. Part of this was because I had found the career I wanted to pursue, but also because of the people I met on the course and the trainers. Sad for it to end but it's exciting to be starting my career!

### MAYA

I had a great time learning what was essentially a completely new skill. The more I learn in my current role, the more thankful I am that I did \_nology. Not only am I really enjoying my job, but the way \_nology taught us to problem solve helps me on a daily basis.

### CLARA

The course dynamic is brilliant, the teaching style is excellent, encouraging students to learn from each other and find answers by themselves rather than getting answers served on a plate.

### ANDY

The camaraderie, and the energy and enthusiasm from our tutors and each other was inspiring. The syllabus is designed such that after several weeks post-course, I'm able to write code for production in languages we hadn't even covered.





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