

Software trainings catalogue 2026.

Fourteen programs across the full IT skill graph — programming, web, mobile, data, cloud, design, and the new AI stack: prompt engineering, RAG, and agentic coding.

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WHY OUR TRAININGS

Built around shipping, not slides.

One catalogue covering the entire IT skill graph: programming foundations, web and mobile, data and cloud, cybersecurity, and the new AI stack — prompt engineering, RAG, and agentic coding. Live cohorts, small batches, shipped projects.

Capabilities

- Programming foundations — Python, Java, C++, JavaScript, TypeScript, Go
- Web & mobile — React, Next.js, Node, Flutter, React Native, Android, iOS
- Data & analytics — SQL, pandas, Power BI, Tableau, data engineering on Spark & Airflow
- AI / ML & LLMs — classical ML, deep learning, NLP, transformers, fine-tuning, evaluation
- Prompt engineering — system design, structured output, evaluation harnesses, guardrails
- Agentic coding — Cursor, Claude Code, Copilot, MCP tools, multi-agent workflows, autonomous pipelines
- Cloud & DevOps — AWS, GCP, Azure, Docker, Kubernetes, Terraform, CI/CD
- Cybersecurity — application security, ethical hacking, SOC fundamentals, cloud security
- Quality & SRE — Playwright, Cypress, performance, observability, incident response
- Design & product — Figma, UI systems, UX research, product management foundations
- Career tracks — DSA, system design, mock interviews, resume polish, 90-day placement support
- Bespoke corporate cohorts and on-campus programs for colleges and institutions

How we run it

01 Diagnose

Onboarding assessment maps each learner to the right starting line across the catalogue.

02 Teach

Twice-weekly live sessions, async assignments, weekly 1:1 mentor check-ins, AI-pair-programming from day one.

03 Ship

Three production-grade projects with real users — including an AI-assisted build by program end.

04 Place

Resume polish, mock interviews, and 90 days of placement support post-cohort.

Python Programming

8 WEEKS · LIVE COHORT · ONLINE

Eight focused weeks taking you from variables to building a working API. Mentor-led, project-based, with weekly 1:1s and a real codebase to defend in interviews.

Outcomes

- Comfort with Python idioms, OOP, and standard library
- A working REST API in FastAPI deployed to the cloud
- Test coverage with pytest and a clean Git history
- Interview-ready DSA fundamentals in Python

Syllabus

Week 1–2 — Foundations

Syntax, types, control flow, functions, comprehensions.

Week 3–4 — Modules & OOP

Packages, classes, dataclasses, typing, virtual environments.

Week 5–6 — Real-world Python

Files, requests, async, pytest, and a CLI project.

Week 7–8 — Capstone API

FastAPI + Postgres, deployed, with auth and tests.

Audience & prerequisites

Audience — Beginners with no prior coding experience and switchers from other languages.

Prerequisites — A laptop and four to six focused hours per week.

TOOLS · PYTHON 3.12 · FASTAPI · PYTEST · POSTGRES · DOCKER

React JS Development

10 WEEKS · LIVE COHORT · ONLINE

Ten weeks taking React from hooks to production: state machines, suspense, performance, and a shipped product in your portfolio with real users.

Outcomes

- Fluent React with hooks, context, and suspense
- State patterns: Zustand, React Query, and reducer machines
- Performance tuning: profiling, memoisation, and bundle budgets
- A production app deployed to Vercel with real users

Syllabus

Week 1–2 — Hooks-first React

JSX, props, state, effects, the rules and the traps.

Week 3–4 — Architecture

Component composition, context, custom hooks, folder discipline.

Week 5–6 — Data & async

React Query, suspense, optimistic UI, error boundaries.

Week 7–8 — Performance

Profiler, memo, virtualisation, code-splitting, web vitals.

Week 9–10 — Capstone

Build, polish, and ship a real product on Vercel.

Audience & prerequisites

Audience — Developers with HTML/CSS/JS basics who want professional React skills.

Prerequisites — Comfortable with JavaScript fundamentals (functions, arrays, async/await).

TOOLS · REACT 18 · TYPESCRIPT · VITE · REACT QUERY · ZUSTAND · VERCEL

TypeScript Mastery

6 WEEKS · LIVE COHORT · ONLINE

Six weeks dedicated to the half of TypeScript most engineers never reach: generics, conditional types, inference, and shipping a typed library.

Outcomes

- Confident with generics, conditional types, and inference
- A small typed library published to npm
- Patterns for typing APIs, forms, and state machines
- Type-level debugging and migration strategies

Syllabus

Week 1 — The type system

Structural typing, narrowing, discriminated unions.

Week 2 — Generics

Constraints, defaults, inference, and variance in practice.

Week 3 — Conditional types

infer, distributive types, mapped types, template literals.

Week 4 — Patterns

Typed APIs, forms, state machines, branded types.

Week 5–6 — Capstone library

Design, build, document, and publish a typed npm package.

Audience & prerequisites

Audience — Working developers using TypeScript who feel they've hit a ceiling.

Prerequisites — Six months of TypeScript in production or equivalent.

TOOLS · TYPESCRIPT 5 · TSUP · VITEST · NPM

Flutter Development

10 WEEKS · LIVE COHORT · ONLINE

Ten weeks to take you from Dart fundamentals to a published cross-platform app — with state management, native integrations, and a real Play Store listing.

Outcomes

- Fluent Dart and Flutter widget composition
- State management with Riverpod and Bloc
- Native integrations: camera, location, push, payments
- A published app on the Play Store

Syllabus

Week 1–2 — Dart & widgets

Dart language, widget tree, layout system.

Week 3–4 — State management

Riverpod, Bloc, when to choose which.

Week 5–6 — Data & APIs

REST, GraphQL, local persistence, offline sync.

Week 7–8 — Native bridges

Camera, location, push notifications, in-app payments.

Week 9–10 — Ship to stores

Signing, screenshots, listings, and submission.

Audience & prerequisites

Audience — Developers ready to build production mobile apps without learning two native stacks.

Prerequisites — OOP experience in any language.

TOOLS · FLUTTER 3 · DART · RIVERPOD · BLOC · FIREBASE

Automation Testing

8 WEEKS · LIVE COHORT · ONLINE

Eight weeks on writing real automation: unit, integration, end-to-end, and API tests that run in CI and catch the regressions that matter.

Outcomes

- A suite of unit, integration, and E2E tests on a real codebase
- CI pipeline with parallelisation and flake handling
- API testing strategy and contract tests
- Reporting, screenshots, and triage workflows

Syllabus

Week 1–2 — Test fundamentals

Pyramid, scopes, doubles, what to test and what not.

Week 3–4 — E2E with Playwright

Selectors, fixtures, network mocking, screenshots.

Week 5 — Cypress

Comparison, gotchas, when each is the right tool.

Week 6 — API testing

REST, contracts, snapshot tests, schema validation.

Week 7–8 — CI & flake

GitHub Actions, parallelisation, retry strategies, triage.

Audience & prerequisites

Audience — QA engineers and developers building automation maturity.

Prerequisites — Comfortable with JavaScript or TypeScript.

TOOLS · PLAYWRIGHT · CYPRESS · VITEST · GITHUB ACTIONS

Data Science & Analytics

12 WEEKS · LIVE COHORT · ONLINE

Twelve weeks across Python, SQL, statistics, and machine-learning fundamentals — applied to a real dataset and a portfolio project you can talk about.

Outcomes

- Fluent pandas, NumPy, and SQL
- Statistics and experiment design for business problems
- Three notebooks shipped to GitHub with clear write-ups
- Capstone analytics project on a real dataset

Syllabus

Week 1–2 — Python for data

pandas, NumPy, Jupyter, reproducibility.

Week 3–4 — SQL

Joins, window functions, query plans.

Week 5–6 — Statistics

Distributions, hypothesis tests, A/B reasoning.

Week 7–8 — ML fundamentals

Regression, classification, evaluation.

Week 9–10 — Visualisation & story

Plotly, Matplotlib, exec-ready dashboards.

Week 11–12 — Capstone

Real dataset, real question, public write-up.

Audience & prerequisites

Audience — Career switchers and analysts moving into data roles.

Prerequisites — Comfort with spreadsheets and basic algebra.

TOOLS · PYTHON · PANDAS · NUMPY · SCIKIT-LEARN · POSTGRES

AI / ML & NLP

12 WEEKS · LIVE COHORT · ONLINE

Twelve weeks from classical ML through modern LLM application development — embeddings, vector stores, RAG, evaluation, and a deployed AI product.

Outcomes

- Fluent with classical ML and the modern LLM stack
- A deployed RAG application with evaluation harness
- Comfort with embeddings, vector stores, and prompt design
- Cost, latency, and safety thinking baked into your builds

Syllabus

Week 1–2 — Foundations

Linear models, trees, evaluation, leakage.

Week 3–4 — Deep learning

Neural nets, training loops, PyTorch basics.

Week 5–6 — NLP fundamentals

Tokenisation, embeddings, transformer intuition.

Week 7–8 — LLM application

Prompting, tool use, structured output.

Week 9–10 — RAG

Vector stores, retrieval quality, chunking strategies.

Week 11–12 — Capstone AI app

Design, build, deploy, evaluate, ship.

Audience & prerequisites

Audience — Developers and data folks building AI features into real products.

Prerequisites — Python comfort and basic statistics.

TOOLS · PYTHON · PYTORCH · HUGGING FACE · OPENAI · PGVECTOR · LANGCHAIN

Full Stack Development

16 WEEKS · LIVE COHORT · ONLINE

Sixteen weeks across React, Node, Postgres, auth, deployment, and observability — the parts most bootcamps skim and most jobs actually demand.

Outcomes

- Three shipped full-stack projects in your GitHub
- Auth, billing, and email flows you can defend in interviews
- Deployment, monitoring, and incident handling experience
- Resume polish, mock interviews, 90-day placement support

Syllabus

Week 1–3 — Frontend foundations

HTML, CSS, modern JS, React fundamentals.

Week 4–6 — Backend & data

Node, Express, Postgres, schema design.

Week 7–9 — Auth, files, email

Sessions, OAuth, S3, transactional email.

Week 10–12 — Real-time & jobs

WebSockets, queues, cron, background jobs.

Week 13–14 — Deploy & monitor

CI/CD, Sentry, logs, alerting.

Week 15–16 — Capstone & placement

Ship, polish, interview prep.

Audience & prerequisites

Audience — Career switchers and juniors aiming for their first full-stack role.

Prerequisites — Basic programming in any language.

TOOLS · REACT · NODE · EXPRESS · POSTGRES · DOCKER · VERCEL

Next.js

6 WEEKS · LIVE COHORT · ONLINE

Six weeks dedicated to modern Next.js: App Router, RSC, Server Actions, caching mental models, and shipping a production app on Vercel.

Outcomes

- Confidence with the App Router and React Server Components
- Server Actions and progressively-enhanced forms
- Caching, revalidation, and streaming mental models
- A production app deployed to Vercel

Syllabus

Week 1 — App Router basics

Routing, layouts, loading and error boundaries.

Week 2 — RSC & data

Server vs client components, fetching patterns.

Week 3 — Forms & actions

Server Actions, validation, progressive enhancement.

Week 4 — Caching & streaming

fetch cache, revalidate, suspense, partial prerender.

Week 5–6 — Capstone & deploy

Build, deploy, observe a real app on Vercel.

Audience & prerequisites

Audience — React developers ready to ship full apps with Next.js.

Prerequisites — Working knowledge of React.

TOOLS · NEXT.JS 15 · REACT 19 · TYPESCRIPT · VERCEL

Digital Marketing

8 WEEKS · LIVE COHORT · ONLINE

Eight weeks across SEO, paid acquisition, content, and analytics — practiced on a live campaign so you finish with results, not theory.

Outcomes

- SEO audit and content plan for a real site
- Live Google/Meta ad campaign with measured ROAS
- Analytics dashboard reading and a/b testing fluency
- Portfolio with three campaign case studies

Syllabus

Week 1–2 — Strategy & SEO

ICP, search intent, on-page, technical SEO basics.

Week 3–4 — Content

Briefs, drafting, distribution, repurposing.

Week 5–6 — Paid acquisition

Google Ads, Meta Ads, attribution, budgets.

Week 7–8 — Analytics & capstone

GA4, dashboards, live campaign report-out.

Audience & prerequisites

Audience — Founders, in-house marketers, and freelancers moving into performance work.

Prerequisites — None.

TOOLS · GA4 · GOOGLE ADS · META ADS · SEARCH CONSOLE · AHREFS

Figma & UI Design

8 WEEKS · LIVE COHORT · ONLINE

Eight weeks building the muscle: typography, colour, layout, components, variants, prototyping — finishing with a portfolio-ready case study.

Outcomes

- Confidence with Figma at component-and-system level
- A typography and colour system you can reuse
- Interactive prototypes with realistic transitions
- One portfolio-ready UX case study

Syllabus

Week 1 — Figma fundamentals

Frames, autolayout, constraints.

Week 2 — Type & colour

Scales, tokens, contrast, accessibility.

Week 3 — Components

Variants, properties, slots.

Week 4 — Systems

Tokens, library structure, governance.

Week 5–6 — Prototype

Interactions, smart animate, micro-motion.

Week 7–8 — Capstone

Brief, exploration, polish, write-up.

Audience & prerequisites

Audience — Designers, developers, and PMs who want to design product UI well.

Prerequisites — None.

TOOLS · FIGMA · FIGJAM · TOKENS STUDIO

Prompt Engineering

6 WEEKS · LIVE COHORT · ONLINE

Six weeks treating prompting as software — system design, structured outputs, evaluation harnesses, and guardrails — across GPT, Claude, and Gemini.

Outcomes

- System and developer prompts that hold up in production
- Structured output with JSON schema, tools, and function calling
- An evaluation harness with regression tests for your prompts
- Cost, latency, and safety guardrails baked into every call

Syllabus

Week 1 — Mental models

How LLMs actually predict; what prompts can and can't do.

Week 2 — System design

System vs user prompts, role-play, few-shot, decomposition.

Week 3 — Structured output

JSON schema, tool/function calling, parsing & repair.

Week 4 — Evaluation

Golden sets, LLM-as-judge, regression suites, drift detection.

Week 5 — Guardrails & safety

Jailbreak defenses, PII handling, cost & latency budgets.

Week 6 — Capstone

Ship a prompt-driven feature with eval suite and observability.

Audience & prerequisites

Audience — Engineers, PMs, and analysts building LLM features into real products.

Prerequisites — Comfort reading code; no prior ML required.

TOOLS · OPENAI · ANTHROPIC · GEMINI · LANGSMITH · PROMPTFOO

Agentic Coding

6 WEEKS · LIVE COHORT · ONLINE

Six weeks of disciplined AI-pair-programming: Cursor, Claude Code, Copilot, custom MCP servers, and multi-agent workflows applied to your own codebases.

Outcomes

- Fluent in Cursor, Claude Code, and Copilot workflows
- A custom MCP server exposing your tools to coding agents
- Multi-agent pipelines for planning, coding, and review
- A safety, review, and rollback playbook for AI-generated code

Syllabus

Week 1 — AI-pair foundations

Context windows, file selection, when to drive vs let the agent drive.

Week 2 — Cursor & Claude Code

Rules files, project context, multi-file edits, agent runs.

Week 3 — MCP servers

Building tools agents can call — docs, DB, deploy, observability.

Week 4 — Multi-agent workflows

Planner / coder / reviewer loops, queues, budgets, hand-offs.

Week 5 — Review & safety

Diff review, tests-as-guardrails, rollback, secret hygiene.

Week 6 — Capstone

Ship a real feature in a real repo using an agentic pipeline.

Audience & prerequisites

Audience — Working developers and tech leads adopting AI coding agents on real codebases.

Prerequisites — One year of programming experience in any language.

TOOLS · CURSOR · CLAUDE CODE · GITHUB COPILOT · MCP · LANGGRAPH

DSA Fundamentals

10 WEEKS · LIVE COHORT · ONLINE

Ten weeks of pattern-led DSA practice — arrays, trees, graphs, DP — with weekly mock interviews and a curated problem set, not a thousand random LeetCode links.

Outcomes

- Pattern fluency across arrays, trees, graphs, DP
- Weekly mock interviews with written feedback
- A curated problem set you can keep practicing
- Confidence in product-company technical loops

Syllabus

Week 1–2 — Arrays & strings

Two pointers, sliding window, prefix sums.

Week 3–4 — Linked lists & stacks

Reverse, cycle detection, monotonic stack.

Week 5–6 — Trees & graphs

DFS, BFS, traversal, shortest path.

Week 7–8 — Dynamic programming

Memoisation, tabulation, common families.

Week 9–10 — Mocks & system design intro

Weekly mocks, behavioural prep.

Audience & prerequisites

Audience — Working developers and final-year students preparing for product-company interviews.

Prerequisites — Comfort with at least one programming language.

TOOLS · ANY LANGUAGE (PYTHON / JAVA / C++) · LEETCODE · EXCALIDRAW

ENROL

Talk to us about a cohort.

Tell us which track you're aiming at and a preferred cohort window — weekday evenings, weekend mornings, or a fast intensive — and we'll match you to the next opening.

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