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Gstack Training

3 days (21 hours)

Overview

Gstack is Garry Tan's open-source Claude Code setup, designed to transform an AI development agent into a structured virtual team: CEO, designer, engineering manager, QA, release manager, and technical writer.

Our Gstack training will help you master an AI-native development method to design, challenge, test, document, and deliver your software projects more effectively.

You'll learn to use Gstack skills and commands to define a product vision, audit a user experience, review a technical architecture, test an application in a real browser, and prepare a clean release.

You will be able to guide Claude Code with specialized roles, limit deviations by AI assistants, improve the quality of decisions, and structure your AI-assisted development workflows.

Through a project-oriented approach, you will implement a complete cycle: product strategy, design review, engineering review, QA, documentation, safeguards, and delivery.

Upon completion of this training, you will be able to integrate gstack into your development practices to accelerate application creation while maintaining a high level of control, quality, and traceability.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Understand the role of gstack in AI-assisted development workflows.
- Install and configure gstack with Claude Code.
- Use specialized roles to scope, design, audit, and deliver an application.
- Implement safeguards to secure changes generated by AI.
- Scale gstack within a product, design, engineering, and QA team.

Target Audience

- Full-stack developers
- Software engineers
- Startup builders
- Tech leads
- AI developers

Prerequisites

- Solid foundation in software development
- Basic knowledge of Git
- Understanding of development workflows, code review, and deployment
- Previous experience with Claude Code or an AI code assistant is a plus

Technical requirements

- Laptop with at least 8 GB of RAM and administrator privileges.
- Stable internet connection to access AI agents, Git repositories, and development tools.
- Code editor installed, such as Visual Studio Code or Cursor.
- Git client installed and configured.
- Access to Claude Code and an account that allows you to use a development AI agent.

gstack training program

[Day 1 - Morning]

Understanding gstack and AI-native workflows

- Understanding gstack’s role as a productivity-oriented Claude Code setup
- Distinguish gstack from an AI model, an IDE, or an application framework
- Identify key use cases: product strategy, design review, engineering review, QA, documentation, and release
- Understand the logic behind skills and specialized commands in Claude Code
- Positioning gstack within an AI-assisted software development workflow
- Hands-on workshop: Analyzing a traditional development workflow and identifying areas for improvement with gstack.

[Day 1 - Afternoon]

Installation, configuration, and getting started

- Installing gstack in a Claude Code-compatible project
- Understanding the organization of commands and configuration files
- Set up the work environment, Git repository, and project conventions
- Verify that skills are enabled in a Claude Code session
- Identify technical prerequisites, limitations, and best practices for getting started
- Hands-on workshop: Install gstack, initialize a project, and verify the execution of the first commands.

Product strategy and scope definition with the CEO

- Use gstack to structure the product vision before implementation
- Transform a feature idea into a clear product objective
- Identify users, pain points, priorities, and business risks
- Clarify decisions before starting development
- Prepare a scope that can be used by design and engineering teams
- Hands-on workshop: Defining a feature using an AI-assisted product strategy approach.

[Day 2 - Morning]

Design review and user experience improvement

- Use gstack to audit an interface or user journey
- Identify UX friction points, visual inconsistencies, and AI slop effects
- Evaluate design quality based on clear criteria
- Produce concrete recommendations prior to implementation
- Align design decisions with product objectives
- Hands-on workshop: Conduct an AI-assisted design review of an existing interface.

[Day 2 - Afternoon]

Engineering review, architecture, and technical safeguards

- Using gstack as an Engineering Manager to challenge an architecture
- Clarify system boundaries, data flows, and technical responsibilities
- Identify edge cases, failure modes, trust boundaries, and maintenance risks
- Document decisions in a technical design document
- Define testing, robustness, and observability requirements
- Hands-on workshop: Produce an architecture review and a technical plan for a full-stack feature.

QA, real-world navigation, and application validation

- Understand the role of QA skills in an AI-assisted development cycle
- Use a real browser to test user flows
- Capturing errors, unexpected behaviors, and visual regressions
- Distinguish between declarative validation and proof-based verification
- Preparing actionable test scenarios before delivery
- Hands-on workshop: Testing an application flow with real-world navigation, screenshots, and bug reports.

[Day 3 - Morning]

Documentation, release, and augmented teamwork

- Generate structured documentation from code and project decisions
- Understand useful formats: tutorials, practical guides, reference guides, and explanations
- Prepare a clean release with a changelog, checks, and summary
- Use gstack to streamline collaboration between product, design, engineering, and QA
- Maintain project consistency across AI sessions
- Hands-on workshop: Generate technical documentation and prepare a release candidate.

[Day 3 - Afternoon]

Safety, guardrails, and change control

- Implement safeguards to limit risky changes
- Use control mechanisms such as freezes, guards, and editing restrictions
- Reduce the risk of overwriting, drift, or out-of-scope changes
- Organize AI sessions with clear and verifiable boundaries
- Adapt safeguards to debugging, production, and refactoring contexts
- Hands-on workshop: Securing a code modification session with gstack safeguards.

Overarching project: Build and deploy with gstack

- Build a complete feature by bringing together product, design, engineering, QA, and release teams
- Move from an initial idea to a usable product scope
- Validate the design, architecture, tests, documentation, and delivery
- Identify the benefits, limitations, and risks of gstack in a team context
- Define an adoption workflow to scale gstack within an organization
- Hands-on workshop: Complete a mini-project with gstack, from product strategy to release.

Target Audience

This training is intended for both individuals and companies, large or small, wishing to train their teams in a new advanced IT technology or to acquire specific business knowledge or modern methods.

Assessment upon enrollment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals regarding the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Practical Course: 60% Practical, 40% Theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been properly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training program.