



DevOps Today

Lost Productivity

37% of employee time is wasted due to poor collaboration.

23+ min switching between tools per person.

Security Risks

Flaws in applications are the #1 attack vector.

1 security team member for every 100 developers.

Source: Verizon Data Breach Investigations reports 2016, 2017, 2018, 2019 and 2020

Missed Opportunities

Companies are not equipped to fully realize the power of AI.

Only 10% of companies have figured out how to use AI in their organizations.

Source: UCI.edu

Source: McKinsey, 2021

A day in the life of a developer





The GitHub experience



A single integrated enterprise-ready platform



Industry-best collaborative tools for developers



Security at every step of the workflow



Powered By AI



100M+

Registered Users

4M+

Organizations

330M+

Repositories

90%

Fortune 100

...and backed by the world's
largest software company



Usage of GitHub

**90% of Fortune 100
companies use GitHub.**



The research shows



Developer productivity

22%

Improvement



Developer onboarding

80%

More time saved



Time spent managing tools and code infrastructure

75%

Improvement



After go-live

<6

Months payback

GitHub Enterprise Platform

Codespaces



Codespaces

A cloud dev environment that lets you code from anywhere

Code without compromise

Code, build, test, debug, and deploy with a complete development environment in your browser, running on Azure.

 Simplify your workflow

Automatically set up dependencies and SSH keys.
Go from code to commit faster on any project.

 Extend and customize

Configure your editor with dotfiles and VS Code extensions to create a consistent environment in every Codespace.

The screenshot shows a VS Code interface running in a Codespace. The left sidebar displays the file structure of a 'VISITOR-APP [CODESPACES]' project, including files like .github, .vscode, node_modules, public, src, .babelrc, .gitignore, index.js, package-lock.json, package.json, and README.md. The main editor area has two tabs open: 'index.js' and 'App.ts'. The 'index.js' tab contains Node.js code for setting up an Express server and handling database queries. The 'App.ts' tab is currently inactive. Below the editor, the terminal window shows the command 'npm run dev' being executed, with the output 'Starting server on port 3000...'. The bottom status bar indicates the current workspace is 'feature-branch-1'.

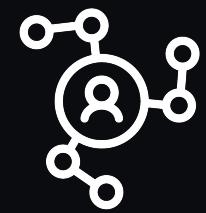
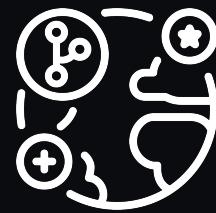
```
1 const express = require('express');
2 const path = require('path');
3 const app = express()
4 const bodyParser = require('body-parser')
5 const Pool = require('pg').Pool
6
7 const http = require('http').createServer(app);
8
9 app.use(express.static(path.join(__dirname, 'build')));
10 app.use(bodyParser.urlencoded({ extended: false }))
11 app.use(bodyParser.json())
12
13 app.get('/', function (req, res) {
14   res.sendFile(path.join(__dirname, 'build', 'index.html'));
15 });
16
17 app.get('/visits/day', (request, response) => {
18   pool.query(`SELECT * FROM visits WHERE created_at > current_date - in
19     if (error) {
20       throw error
21     }
22     response.status(200).json(results.rows)
23   })
24 }
25
26 app.get('/visits/week', (request, response) => {
27   pool.query(`SELECT * FROM visits WHERE created_at > current_date - in
28     if (error) {
29       throw error
30     }
31     response.status(200).json(results.rows)
32   })
33 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
califa visitor-app(feature-branch-1) $ npm run dev

Starting server on port 3000...
```

Why Codespaces?



Repo and User level configuration for ease and efficiency

Immediate, effortless onboarding to any project

Work from anywhere, on any device

Consistent, ephemeral development environments

