

New Dev PC Setup & Security Checklist

? Core Dev Tools

- ? Visual Studio Code: Main editor with extensions (Python, Docker, GitHub Copilot, etc)
- ? Postman: API testing tool
- ? Docker Desktop: For containerized environments (run only when needed)
- ? PostgreSQL: Main database with SSL enabled
- ? pgAdmin: UI for managing PostgreSQL
- ? Redis: In-memory DB, secure its port
- ? MySQL Server: Secondary DB, strong root password
- ? MySQL Workbench: Visual DB management
- ? Git: Install with SSH support
- ? GitHub CLI: Optional terminal GitHub access
- ? XAMPP/WAMP: Legacy dev server (manual start only)

? Security & System Hardening

- ? Configure Windows Firewall: Block unused ports
- ? Windows Defender: Keep it on, enable Ransomware Protection
- ? GlassWire / Portmaster: Visualize and monitor network connections
- ? Wireshark: Optional packet inspection
- ? BitLocker: Full disk encryption
- ? Password Manager: Bitwarden / KeePassXC
- ? Enable UAC: Prompt on elevation attempts

? Office & Productivity

- ? Microsoft Office: Install separately ? includes Excel & Outlook
- ? Secure Email Setup: Enable MFA/2FA
- ? PowerToys: Productivity enhancer
- ? Google Chrome: With privacy plugins
- ? Microsoft Edge: Lighter and sandboxed

??? Dev & Debugging Utilities

- ? Process Explorer: Inspect all processes
- ? Process Monitor: Track system events
- ? Autoruns: Review startup services
- ? CurrPorts / TCPView: Inspect open ports
- ? Notepad++: Quick editing tool

?? System Settings

- ? Disable telemetry: Privacy > Diagnostics & Feedback
- ? Disable background apps: Apps > Startup
- ? Disable Cortana: If unused
- ? Use Local Account: For improved privacy

? Dev Environment Setup

- ? Python: Add to PATH during install
- ? Node.js + npm: JavaScript tooling
- ? pipenv or poetry: Python env managers
- ? SSH Keygen: For GitHub, PostgreSQL
- ? SSH Config: For key routing

? Optional / Future Tools

- ? NGINX / Caddy: Reverse proxy use
- ? Jupyter Lab: Data science work
- ? MkDocs / Docusaurus: For documentation
- ? Pi-hole: Network-wide adblock
- ? VS Code Server: Remote dev access