ADEM-TAHIR ALTUN

JUNIOR SOFTWARE DEVELOPER | C++ · C# · PYTHON · JAVASCRIPT

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PROFESSIONAL SUMMARY

Entry-level software developer with hands-on experience delivering paid freelance projects and practical skills in electronics maintenance and repair. Experienced in managing tasks from requirements gathering and specification alignment through implementation, revisions, and client handover. Works with C++, C#, Python, and JavaScript, and uses Git and GitHub. Additional experience repairing electronic boards at component level provides a practical understanding of hardware and computer systems. Seeking a Junior Developer or Junior Software Engineer role to contribute to real-world projects and grow within a development team.

CORE COMPETENCIES

Software Development	C++, C#, Python, JavaScript; development of custom software solutions.
Tools	Git and GitHub; version control and repository workflows.
Electronics	Electronic diagnostics, soldering, component replacement, and board-level repair.
Client & Project Work	Requirements gathering, specification alignment, time estimation, delivery, and revisions.
Language	English — B2; technical documentation and direct communication with international clients.

PROFESSIONAL EXPERIENCE

Software Developer (Freelance) — Private Commercial Projects

Jan 2026 — Present

- Deliver custom paid software projects across different subject areas, including work for returning clients.
- Clarify client needs, gather requirements, and agree on project scope, functionality, technical specifications, and deadlines.
- Develop software solutions using C++, C#, Python, and JavaScript.
- Manage projects from initial discussion through implementation and delivery; incorporate feedback and complete agreed revisions.
- Communicate directly with international clients in English without an interpreter.

Electronics Maintenance & Repair Technician — PlayDay — Arcade Gaming Venue

Jul 2026 — Present

- Maintain and support a fleet of more than 140 arcade machines, helping keep equipment operational.
- Diagnose electronic assemblies and circuit boards, identify faulty components, and replace defective parts.
- Repair circuit boards at component level through soldering and individual component replacement rather than replacing entire assemblies.
- Help reduce spare-parts costs and equipment downtime through component-level repair.
- Resolve technical faults promptly and verify equipment operation after repairs.

PROFESSIONAL EXPERIENCE — CONTINUED

Courier — Yandex Eats 2023 — 2024

- Completed daily deliveries under high workload while meeting required delivery timeframes.
- Met weekly and monthly order-volume targets and received performance bonuses.
- Planned routes, prioritized tasks, and communicated with customers and restaurant partners.
- Strengthened punctuality, accountability, independence, and the ability to work under time pressure.

EDUCATION

Perm Polytechnic College named after N. G. Slavyanov
Specialization: 09.02.01 — Computer Systems and Complexes. Qualification: Computer Systems Technician.
Expected graduation: 2027.

TECHNICAL SKILLS

Programming Languages: C++, C#, Python, JavaScript.
Version Control: Git, GitHub.
Hardware: electronic component diagnostics, circuit-board repair, soldering, and component replacement.
Project Delivery: requirements gathering, technical specifications, deadline coordination, delivery, and post-delivery revisions.

LANGUAGES

English — B2 (Upper-Intermediate). Able to read technical documentation, discuss project requirements, and communicate directly with international clients without an interpreter.

PROFESSIONAL STRENGTHS

Analytical thinking · technical curiosity · self-management · accountability · attention to detail · troubleshooting · problem-solving · focus on quality and deadlines.

ADDITIONAL INFORMATION

Interested in Junior Developer / Junior Software Engineer opportunities. Open to learning, team collaboration, and professional development. Office or remote work by arrangement.

TOOLS & TECHNOLOGIES

Languages	C++20, C#, Python, JavaScript, Lua 5.4
GUI & frameworks	Dear ImGui + DirectX 11 (docking branch), Avalonia 11, WPF, React, ReactiveUI, CommunityToolkit.Mvvm, AvaloniaEdit
Windows API & systems programming	Debug API (WaitForDebugEventEx, breakpoints, exception handling), Process/Thread/Memory API, DbgHelp (SymFromAddr, StackWalk64), SendInput, SetWindowsHookEx, RegisterHotKey, CreateRemoteThread, VirtualAllocEx, Toolhelp32, EnumProcessModulesEx, P/Invoke, unsafe blocks
Reverse engineering & binary analysis	Zydis (x64 disassembly), PE32/PE32+ parsing (headers, sections, imports/exports, relocations), pattern scanning (IDA-style with masks), Manual Mapping DLL with an x64 shellcode trampoline, API hook detector, pointer scanning, CheatEngine .CT XML, PeNet
.NET internals	ICSharpCode.Decompiler (ILSpy engine), dnlib, Roslyn CSharpScript for sandboxed scripting, IL and metadata-token work (EntityHandle via MetadataTokens)
Concurrency & async	std::thread, std::mutex, condition_variable, std::atomic, worker-thread + command-queue pattern; C# async/await with CancellationToken; Python asyncio (parallel proxy checks)
Build, packaging, tooling	CMake with FetchContent (cross-platform builds with auto-pulled dependencies), .NET 8 SDK + NuGet, MSBuild, Vite + npm, Visual Studio 2022, MSVC, Git, GitHub
CI/CD & deployment	GitHub Actions on windows-2022 runners: per-commit builds, dependency caching, artifact publishing; GitHub Pages via workflow; systemd on Linux VPS for background services

PROJECTS

MiniDbg github.com/tertit133/minidbg

C++ · x64 user-mode debugger

Compact Windows x64 debugger: launch or attach to a process, software and hardware breakpoints (DR0..DR3) with Lua conditions, live Zydis disassembly, call stack with PDB symbols from the Microsoft server, module explorer with imports and exports, embedded Lua interpreter for scripting.

C++20 · ImGui · DX11 · Zydis · DbgHelp · Lua 5.4 · sol2 · CMake

CheatOS github.com/tertit133/cheatos

C++ · memory scanner and trainer framework

Typed memory scanner (int8..int64, float/double, byte patterns, strings) with changed / unchanged / increased / decreased next-scan filters. Pointer scanner for stable chains to a dynamic address, background value freezing, CheatEngine .CT XML load/save.

C++20 · ImGui · DX11 · pugixml · CMake

PEctor github.com/tertit133/pector

C++ · PE analyzer and byte patcher

PE32/PE32+ parsing with field-to-hex highlighting, import and export tables, string extractor, compiler and packer detector (UPX, Themida, VMProtect, MSVC, MinGW, .NET), IDA-style byte pattern search, byte patcher with .bak backup and checksum recomputation.

C++20 · ImGui · DX11 · Zydis · CMake

InjectorStudio github.com/tertit133/injectorstudio

C# · DLL injector and process inspector

Three injection methods: LoadLibrary, SetWindowsHookEx and Manual Mapping (DLL stays out of the Windows loader list). Process inspector with modules, threads, suspicious DLLs, and an API hook detector that compares in-memory function bytes against the on-disk originals. Plus a stand-alone DLL inspector.

C# · .NET 8 · Avalonia 11 · ReactiveUI · PeNet · Win32 P/Invoke

DotPeekLite github.com/tertit133/dotpeeklite

C# · .NET decompiler and deobfuscator

Opens a .NET assembly, shows a Namespace -> Type -> Member tree, and renders decompiled C# (via the ILSpy engine) side-by-side with IL. Diff mode highlights changed methods between two assemblies. Heuristic deobfuscator for renamed identifiers and string-decrypt routines, plus a project exporter that writes every type to a .cs file.

C# · .NET 8 · Avalonia · AvaloniaEdit · ICSharpCode.Decompiler · dnlib

AutoMate github.com/tertit133/automate

C# · Windows automation studio

Macro recorder via global low-level hooks with real timing, playback through SendInput. C# scripting via Roslyn with a clean Mouse / Keyboard / Screen API. Global hotkeys (run, stop) and a cron scheduler supporting */n, ranges and lists.

C# · .NET 8 · WPF · CommunityToolkit.Mvvm · Roslyn Scripting · Win32

Proxy Monitor Bot github.com/tertit133/proxy-monitor-bot

Python · Telegram bot · commissioned order

24/7 proxy monitoring for a commercial client with scheduled Telegram reports: parallel checks over asyncio, retries across 3 independent IP-verification services (false-alarm-free), plain-language failure reasons. One-command VPS install and systemd auto-start.

Python · asyncio · aiogram 3 · aiohttp · systemd · Bash