Stiliyan Stoyanov

Forward-Deployed Engineer | Full-Stack and Desktop Developer

Varna, Bulgaria | stiliyanstoyanov.com | stiliyan@stiliyanstoyanov.com
linkedin.com/in/stiliyan-stoyanov-48712a344 | github.com/fizzexual

Available: remote, part-time employment, EET/EEST (UTC+2/+3), can start now

Forward-deployed engineer working in Python/Django, React and TypeScript on Amazon Web Services (AWS). I ship complete products end to end, from a programming language written in C to a desktop SQL client with its own CI/CD pipeline. Looking for remote part-time employment alongside my current role and university studies.

EDUCATION

Technical University of Varna, Bachelor of Software and Internet Technologies | 2026 – 2030 (expected)

"Ivan Vazov" Natural Sciences and Mathematics High School, Dobrich | Applied Programming | Computer Systems Technician | Graduated 2026
Diploma project: banking system with role-based access (ASP.NET Core MVC, Entity Framework Core, MySQL).

WORK EXPERIENCE

Forward-Deployed Engineer, Catwing AI | Jul 2026 – Present

- Became a core contributor within the first three months, shipping production features end to end across a Python/Django backend and React + TypeScript web apps on AWS with Docker and continuous integration (CI).
- Turned customer business workflows into reliable features by integrating the product with third-party business systems and AI-agent tooling, working directly from customer requirements.
- Raised reliability by writing tests for failure paths, handling outages in external systems safely, and giving users clear errors instead of silent failures.

PROJECTS

MamaSQL, local-first SQL workbench | Rust, Tauri, React, TypeScript

- Built a desktop and browser SQL client for PostgreSQL, MySQL/MariaDB and SQLite with a schema browser, query editor, inline editing and charts.
- Set up CI/CD with GitHub Actions: every change is built and published automatically as a Windows app and Docker images.

Sprout, programming language written from scratch | C, WebAssembly

- Designed and implemented a beginner-friendly language, with interpreter, garbage collector, sandbox mode for untrusted code, package manager, formatter and a VS Code extension.
- Ships Windows, macOS and Linux builds, tested in cross-platform CI with AddressSanitizer memory checks, plus a browser playground compiled to WebAssembly.

FrameAtlas, every video frame for AI agents | Python, Model Context Protocol (MCP)

- Built a command-line tool and MCP server that gives AI agents every frame of a video with exact timestamps, verified by hash, plus a browser viewer and review-coverage tracking.
- Scale-tested on an 18,000-frame video (5 minutes at 60 FPS); 40 automated tests run on Windows, macOS and Linux.

Codemonkey, typing-speed test for programmers | JavaScript, HTML, CSS

- Built a Monkeytype-style test where developers type real code: 281 hand-written snippets in 10 languages, with live WPM, accuracy and consistency. Runs entirely in the browser with no backend.

SKILLS

Languages: TypeScript, Python, Java, JavaScript, C#, Rust, Kotlin, C, SQL
Frontend: React, Next.js, Vite, Tailwind CSS
Backend and data: Django, Node.js (Express, Hono), PostgreSQL, MySQL, SQLite, Redis, Prisma, Drizzle
Desktop and mobile: Tauri (Rust), Electron, Android (Kotlin, Jetpack Compose)
Cloud and DevOps: Amazon Web Services (S3, RDS, ECR), Docker, GitHub Actions, Cloudflare Workers
Testing and AI: Vitest, Playwright, pytest, JUnit, MCP servers, LLM agents, Transformers.js

LANGUAGES

Bulgarian (native), English (professional working proficiency)