

Sukhrob Ilyosbekov

Senior Software Engineer · Full-Stack

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SUMMARY

Senior full-stack engineer with 9+ years shipping web and SaaS products, solo or as the senior on small teams. I've built a HIPAA-compliant healthcare platform, real-time market-data dashboards, and AI-driven tools across the stack, plus published computer-vision research.

TECHNICAL SKILLS

Languages: C#, C++, Python, JavaScript, TypeScript, Kotlin

Backend & Data: ASP.NET Core, EF Core, SignalR, Node.js, NestJS, FastAPI, PostgreSQL, MS SQL, MongoDB, Redis, Firebase, DynamoDB, Prisma

Frontend & Mobile: React, Next.js, Angular, Blazor, Tailwind CSS, Kotlin Multiplatform, .NET MAUI, React Native

AI/ML: PyTorch, TensorFlow, OpenCV, YOLO, Claude/GPT/DeepSeek APIs, MCP, agentic workflows

Game Dev: Unity, Godot, PhaserJS, Colyseus

Cloud & DevOps: AWS (Amplify, S3, Lambda, Cognito), Azure, Docker, Kubernetes, GitHub Actions

EDUCATION

Northeastern University

M.S. in Computer Science

Jan 2024 – May 2026

Suffolk University

B.S. in Computer Science

Sep 2021 – May 2023

EXPERIENCE

EmTech Care Labs

Senior Software Engineer

Jan 2025 – Jun 2025

Portland, ME

- Sole senior engineer on a HIPAA-compliant platform that helps families coordinate Alzheimer's care, used by 200+ caregivers and patients on AWS, with real-time messaging, push notifications, and shared care plans.
- Made the platform audit-ready for healthcare data: encrypted patient information, full audit logging, and role-based access control. It passed an outside HIPAA readiness review with no critical findings.
- Merged three separate web and mobile codebases into one TypeScript monorepo with a shared component library, so new screens stopped being rebuilt three times and the apps finally looked consistent.
- Worked directly with clinicians to scope features, delivered the roadmap over six months as the sole engineer, and mentored two juniors.

AllFactors

Senior Software Engineer

Jul 2022 – Dec 2023

Santa Clara, CA

- Rebuilt a slow legacy real-estate analytics app (ASP.NET Web Forms) as a modern Blazor WebAssembly front end, roughly halving page load time and removing the brittle state-management that had made the old app hard to change.
- Engineered a real-time market-data pipeline (SignalR + SQL Server change tracking) that streamed live pricing and inventory to hundreds of concurrent users with sub-second updates.
- Created a reusable component library of data grids, charts, and filters that became the standard building blocks for the product's dashboards, and added automated tests that caught regressions before release.

Smart Meal Service

Sep 2020 – Oct 2021

Software Engineer

Russia

- Developed the software for a self-service food kiosk and robotic cashier in C# / .NET, talking to real payment terminals and hardware over low-level protocols, plus the customer ordering app (Xamarin) and an admin dashboard (ASP.NET Core + Angular).
- Added automated order routing that sent each order straight to the right kitchen station, and a hardware abstraction layer so one codebase ran across three machine models.

Pentalight Technology

Mar 2020 – Feb 2021

Game Developer

Malaysia

- Implemented the multiplayer networking for a VR smart-city simulation in Unity, syncing every participant's view in real time, plus spatial audio, hand-tracking, and a desktop spectator client so people without a headset could watch and take part.
- Automated the art pipeline (model import, level-of-detail generation, lighting bakes), cutting a multi-hour per-scene chore down to minutes.

EC Dev Team

2016 – 2019

Game Developer

Uzbekistan

- Led development of an RTS mod for Paradox's Clausewitz Engine.

Freelancer.com

2019 – 2020

Freelance Developer

- Built .NET and Python NLP applications.

PROJECTS

LogisticsX

logisticsx.app

.NET 10, EF Core, MediatR, SignalR, Angular 21, Kotlin KMP, PostgreSQL, Claude API, Stripe, Docker

- Designed an AI dispatcher that matches freight loads to trucks, checks federal driver hours-of-service rules, and plans multi-stop routes on its own, turning a manual 15-minute decision into a near-instant one (Claude API, custom tool-use agent).
- Shipped the full product: four web portals (admin, dispatcher, customer, broker), a cross-platform Android/iOS driver app, and a multi-tenant .NET backend integrated with the major freight load boards and truck-tracking providers (DAT, Truckstop, Samsara, Motive) plus Stripe payouts.

Meat.gg

meat.gg

ElysiaJS, Next.js, PostgreSQL, Prisma, Bun, C++23, Metamod:Source 2, Docker, Stripe

- Launched a community platform for Counter-Strike 2 servers that grew to 50K+ registered users, with player profiles, messaging, a friends system, and a Stripe-backed cosmetics shop.
- Wrote a native C++ game-server plugin connecting the live game servers to the web backend, so admins can ban, report, and moderate players from inside the game in real time.

OGStack

ogstack.dev

Next.js 16, ElysiaJS, Bun, PostgreSQL, Prisma, Satori, Cloudflare R2, Stripe, Docker

- SaaS that automatically creates on-brand social-share preview images for any web page from a single line of markup, served from a global CDN. It generated 10K+ images during the beta.
- Architected the engine behind it: a layer that routes work across several AI models (Claude, GPT, DeepSeek) to read a page and match its branding, plus AI background generation and an HTML-to-image renderer, billed through Stripe.

DepVault

depvault.com

Next.js, ElysiaJS, PostgreSQL, Prisma, Bun, .NET AOT CLI, Docker

- Tool that scans a project's software dependencies for known security vulnerabilities across eight language ecosystems (npm, PyPI, NuGet, Cargo, Maven, and more) and doubles as an encrypted vault for secrets, with a CLI for injecting tokens into CI/CD pipelines. The scanner checks a thousand-plus dependencies per project in seconds.

MelanomaNet

PyTorch, EfficientNet V2, GradCAM++, OpenCV

- Published arXiv research on explainable AI for skin-cancer detection: a deep-learning classifier (0.86 weighted F1 across nine diagnostic categories) paired with heatmaps broken down along the ABCDE criteria dermatologists already use, making the model's reasoning legible.