



Vassil Iliev

Senior Full-Stack Engineer

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SUMMARY

Senior Full-Stack Engineer with 5+ years across enterprise — automotive, fintech, and institutional investment. Currently building an AI investment platform at Mubadala; previously shipped in-car infotainment for Volkswagen. AI-native in how I work, quick to own problems, and comfortable being the engineer who talks to the client.

EXPERIENCE

Senior Software Engineer — Mubadala

2025 – Present

Project: AI-Powered Procurement Platform

- Building an AI-powered procurement platform that streamlines sourcing, supplier evaluation, and contract workflows for a global investment group
- Working full-stack — building and maintaining the FastAPI backend alongside the Next.js frontend
- Owning frontend architecture and coordinating across services, keeping humans in control of the final decision

Tech: Next.js · TypeScript · Jotai · Tailwind · FastAPI · Azure Service Bus

Senior Software Engineer — Mubadala

2024 – Present

Project: MAIA — Investment Intelligence Platform

- Building MAIA, Mubadala's internal AI platform for investment intelligence and corporate workflows
- First role as a Senior Developer, in a large team with high standards for code quality and delivery
- Supporting teammates with technical challenges, coordinating across teams, and working on-site with clients

Tech: Next.js · TypeScript · Jotai · Tailwind · Fluent UI · .NET · Azure Service Bus

Software Engineer — IAV GmbH / Volkswagen

2023 – 2024

Project: Wellness Infotainment System

- Built the Wellness Infotainment System for VW ID cars — integrating climate, panoramic roof, ambient lighting, seat massage, and smart lights into one application
- Delivered the project on schedule with one colleague, including on-site development at VW factories, coding directly in the vehicles
- Designed coordination patterns to manage multiple physical vehicle systems through a single web interface

Tech: Angular · RxJS · NgRx · VW Internal Libraries · Node.js · gRPC

Software Engineer & Project Lead — "Saint Sofia" Private School (Contract)

2023 – 2023

Project: School Management System

- Took over as both tech lead and client-facing representative after the original team had left
- Led full-stack development of a school management system for exams, tests, and assignments
- Managed client communication, distributed tasks across the team, and delivered a new version with improved design and AI features

Tech: React · TypeScript · Redux · Redux Saga · MUI · Node.js · Express.js · MongoDB · Mongoose · Docker

Software Engineer Consultant — Celonis (Contract)

2023 – 2023

Project: Bank Application Modernization

- Brought in solo to refactor a critical part of a fintech application from legacy imperative code to modern ES6
- After resolving the immediate issues, mentored the team on cleaner patterns and how to continue the refactoring themselves
- All changes had to maintain full backward compatibility for existing users

Tech: React · TypeScript · Redux · Redux Saga

Software Engineer — IAV GmbH / Volkswagen

2022 – 2023

Project: WeCharge EV System

- Built WeCharge — an infotainment system for VW, SEAT, and Skoda EVs showing nearby charging stations with real-time availability and pricing
- Started as a junior and was working on tasks independently within the first week on a large team

- Integrated Angular with VW's internal framework libraries and connected to backend services over gRPC

Tech: Angular · RxJS · NgRx · Leaflet · VW Internal Libraries · Node.js · gRPC

Lead Developer (Graduate Project) — Telerik Academy

2022 – 2022

Project: Impulse Communication Platform

- Built Impulse — a real-time chat application with messaging, file sharing, and notifications, developed from scratch
- Led a team of three, defined the application architecture and development plan
- Won the award for best graduate project and graduated as a top performer, receiving multiple job offers

Tech: React · TypeScript · MUI · Firebase

SIDE PROJECTS

SMECRA — Co-Founder [\[In Development\]](#)

Security and compliance platform helping European SMEs meet the EU Cyber Resilience Act (CRA) — the new regulation that, from December 2027, requires software makers to track and secure every dependency they ship. It ingests Software Bills of Materials (SBOMs), continuously validates them against live vulnerability databases, and generates the compliance evidence market surveillance authorities can request.

Tech: Next.js · FastAPI · PostgreSQL · Clerk · Paddle · Dokploy · Cloudflare

CineDramas — Founder & Software Architect [\[In Development\]](#)

SaaS platform for streaming vertical series. Mobile-first, built on managed services — Supabase edge functions for backend logic, Mux for video delivery, Cloudflare for infrastructure, and RevenueCat for monetization.

Tech: Expo · React Native · Supabase · Mux · RevenueCat · Cloudflare

TollTracker — Marketing & Product Consultant [\[Released\]](#)

Mobile app available on the App Store and Google Play. In this project I'm not writing code — I consult on UX, create content for articles, plan marketing campaigns, and work on user acquisition.

Tech: Figma · Outseta · RevenueCat · Stripe · Prismic

<https://tolltracker.eu>

WHAT I BRING

Responsible & Proactive: I show up when something needs to be done, even if it's not my responsibility. Teams and managers have consistently trusted me for being proactive, helpful, and always answering the call to action.

Client-Facing Confidence: I represent the team and the project directly to clients without hesitation. I handle expectations, gather feedback, and make sure the communication between business and engineering is clear.

Quick to Adapt: If a technology is not in my current stack, it doesn't slow me down. I have a strong foundation in programming concepts and abstractions, which lets me pick up new tools and frameworks fast.

Team Lead & Planner: Experience leading teams, planning sprints, distributing work, and keeping delivery on track — while staying hands-on with the code.

SKILLS

Languages: TypeScript, JavaScript, Python

Frontend: React, Next.js, Expo, React Native, Angular, Redux, Redux Saga, RxJS, NgRx, Jotai, SCSS, Tailwind, MUI, Fluent UI

Backend & APIs: Node.js, Express.js, FastAPI, Pydantic, RESTful APIs, gRPC, Azure Service Bus

Databases & Data: PostgreSQL, MongoDB, MySQL, SQLAlchemy, Alembic, Firebase, Supabase

DevOps & Tools: Git, Docker, Azure DevOps, Feature Flagging (Unleash, Azure), Cloudflare, Dokploy, Bitbucket, GitHub Actions

Architecture & Patterns: Clean Architecture, Design Patterns, OOP, Functional Programming, Data Structures & Algorithms

Testing: Jest, Playwright, Unit Testing, Integration Testing

AI-Assisted Development: ChatGPT, Claude, Claude Code, Gemini, Cursor, GitHub Copilot, Prompt Engineering

EDUCATION & CERTIFICATIONS

Computer Software Engineering — Telerik Academy

Intensive software development program. Graduated as top performer with best graduate project award.

State-Certified Software Engineer — Ministry of Education & Science, Republic of Bulgaria

Nationally recognized professional qualification issued under the state education standard, certifying professional competence as a software engineer.

Languages: Bulgarian (Native), English (Fluent), German (Basic)