

Aleksei Skorobogatko



Full Stack Software Developer

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Summary

Full Stack Developer with 10+ years of experience building scalable web applications and backend systems. Specializing in Next.js, React and Node.js with TypeScript, as well as backend systems in Python, C# and php. Experienced in designing secure external API endpoints, CI/CD pipelines, OCR systems, ETL workflows, and working with relational and non-relational databases. Focused on structured architecture, performance, and maintainable cross-platform systems.

Skills

Frontend: React, Next.js, Angular, Vue, Electron, React Native, Tailwind CSS, HTML5, CSS3, material UI

State Management: Redux / Redux Toolkit, TanStack Query, Context API

Backend: Node.js, Express.js, WordPress, .NET, FastAPI, FLASK, REST SOAP GraphQL APIs

DB: PostgreSQL, MySQL, MongoDB, Supabase, Prisma ORM, SQLAlchemy

Cloud & DevOps: Docker, GitHub Actions, CI/CD pipelines, Kubernetes, AWS (EC2, S3), Azure

Languages: JavaScript (ES6+), PHP, C#, Python, TypeScript

Tools & Supporting Tech: Git, Postman, Jest, Cypress, JWT / OAuth, Figma, Agile / Scrum

AI & Computer Vision: PyTorch, OpenCV, YOLO, image preprocessing, basic model training, dataset preparation

Experience

Full Stack Software Developer | AlexWeb Studio (Independent / Freelance) | Houston, TX

February 2025 – Present

- Provide full stack development services to small and mid-sized businesses, designing and delivering custom web applications using **Next.js, React, TypeScript**, and **Node.js, .Net** and **Python**-based backends.
- **Applied** computer vision techniques to build a safety compliance detection system using YOLO-based object detection, and actively deepening expertise in AI-driven image analysis.
- Engineered a full-stack cross-platform device management system using **Next.js, PostgreSQL, FastAPI** and **REST APIs** for exchanging real-time rules and schedules between server and **C#** Windows application.
- Developed secure authentication and API routing with Next.JS and **JWT/OAuth**, ensuring robust access control and data protection.
- Built automated **CI/CD** pipelines using **GitHub Actions**, and reducing release time from hours to minutes.
- Applied caching strategies and query optimization, significantly improving server response time and system efficiency.

Full Stack Web Developer (Logistics Industry) | AMRUS Logistics Inc | Seattle, WA / Houston, TX

March 2019 – February 2025

- Designed and developed interactive dashboards for real-time shipment tracking, customer billing, visualizing shipment metrics, financial flow, and performance statistics using **React** (earlier **PHP** implementation), **Next.JS, Node.JS** and **Python** (documents processing and heavy tasks), integrating data from logistics systems and sea carrier's APIs using **REST, GraphQL and SOAP**.
- Rebuilt the company website from a static **HTML** version into a modern **WordPress** platform using Bootstrap, enhancing design, **SEO**, and data integration capabilities.
- Collaborated with logistics and accounting teams to streamline document flow automation, connecting operational systems with third-party services for end-to-end shipment tracking.

Full Stack Web Developer (Logistics Industry) | Nawinia RUS | Moscow, Russian Federation

October 2014 – February 2019

- Architected and implemented real-time shipment tracking and billing dashboards, providing visibility into logistics operations, financial flows, and performance analytics. Leveraged React for frontend interfaces, Node.js for API orchestration, and Python for document processing and high-load tasks, integrating multiple carrier systems via REST, GraphQL, and SOAP APIs.
- **Led** a cross-functional team in developing a complex international shipment cost calculator, leveraging real-time data from company branches at major seaports. Conducted on-site business trips to analyze local software and data structures, ensuring accurate modeling of intermodal costs across ocean, rail, and inland routes. The solution enabled customers to receive instant shipment quotes instead of waiting for manual rate processing.
- Maintained and continuously improved the corporate **WordPress**-based website to align with evolving business objectives and user experience standards.
- Contributed to the development and optimization of an internal **CMS** that unified accounting, tracking, and profit-analysis functions across departments.
- Attempted to design a load-calculation module to automate container and cargo placement; though not fully successful due to complexity, the project provided key insights for later system design improvements.

Full Stack Web Developer | STS Logistics, Oknarosta, TechServisPlus, Narvak | Moscow, Russian Federation
August 2009 – November 2014

- Created and maintained multiple corporate and client websites using **PHP, MySQL, HTML, CSS, and JavaScript**.
- Implemented and customized CMS platforms (**WordPress, MODx, phpBB**) to support varied business needs.
- Oversaw full lifecycle development including **UI design**, backend logic, and performance optimization.

Education

Bauman Moscow State Technical University | Moscow, Russian Federation

Master's Degree in Industrial Technology (Engineering Equivalent) | Graduated July 2010

Projects

Guard Platform – Internet Access parental control app - <https://guard.alexweb.app/>

Role: Owner. Full Stack Developer (Personal Open-Source Project)

- Designed and built an open-source, two-part solution for network and device access control on Windows systems.
- Web Dashboard (Next.js, React, Tailwind CSS, TypeScript, Prisma, PostgreSQL, NextAuth): Enables users to configure schedules, apply access rules, and manage devices via a secure, responsive interface with OAuth and advanced state management and optimized API requests with caching of data on server side.
- Windows Client (C#): Syncs with the dashboard to enforce access restrictions, leveraging the hosts file and Windows Firewall, featuring real-time checks, dual-process architecture, and PIN-protected uninstall.
- Backend: Combines Next.js (PostgreSQL DB) with REST API endpoints and a dedicated Express.js microservice for secure device communication.
- Stack: React, Next.js, Node.js, Express.js, Prisma ORM, PostgreSQL, NextAuth (OAuth/JWT), C#.

Voice8 AI Platform & Voxlog Landing Page | <https://voice8.ai/> / <https://voxlog-web.vercel.app/>

Role: Full Stack Developer

- Developed responsive and modular UI for an AI voice agent platform using Next.js, React, TypeScript.
- Collaborated with product designers and backend developers via Slack, participating in Scrum-based sprint planning and iterative feature releases.
- Stack: Next.js, React, TypeScript, Tailwind CSS, Agile / Scrum workflow, Slack collaboration.

Personal Portfolio & Resume Sites - <https://alexweb.app/> / <https://vspath.us/>

- Role: Full Stack Developer
- Technologies: React.js (Front-End), Node.js, Express.js (Back-End)

Earlier Web Projects (Corporate Websites) - (WordPress (PHP, MySQL), HTML, CSS, JavaScript)

Amrus Logistics – amrus.net

Nawinia Rus – nawinia.com