

# Sergey Mosin

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## Technical Skills

Go JavaScript Node.js  
PHP Bash Kotlin  
HTML5 CSS3/SCSS  
WebGL Canvas API  
SVG PWA Vue.js  
Express.js PostgreSQL  
Redis MySQL/MariaDB  
SQLite S3 Firebase  
AWS GCP Azure  
Docker/Podman Bazel  
gRPC Git Debian  
Arch CentOS/Alma  
Nginx Envoy Apache  
Postfix Dovecot  
Certbot/ACME nftables  
CalDAV SPF DKIM  
DMARC Stripe PayPal  
WHMCS WordPress  
Nextcloud iRedMail

## Professional Summary

Web developer with **10+ years** building high-traffic systems and reliable infrastructure. Focused on performance, **cost-efficient solutions**, and full ownership of **production systems**. Experienced in backend architecture, **containerized deployments**, and open-source project maintenance.

## Engineering Highlights

- High-traffic ticketing platform supporting **~750 RPS steady and 2,000+ RPS bursts**
- Developed **Go** microservices with **Bazel** builds, **gRPC** APIs and **PostgreSQL**
- Containerized **multi-tenant** collaboration platform with automated provisioning
- Marketing system for **~350K subscribers** with automated campaigns and analytics
- Core contributor and maintainer of Nextcloud Appointments **open-source** project

## Professional Experience

### The Black List NYC | Lead Software Engineer | 2010 - Present

Project Overview: A large-scale ticketing and guest-list logistics platform for The Black List NYC and its clients, including Netflix, HBO, Comedy Central and other networks and streaming services.

- Built key **PHP** and **Go** infrastructure components to reduce operational costs while reliably handling **~750 RPS steady-state** and **bursts of 2,000+ RPS** during high-profile ticket launches.
- Developed an email campaign and marketing module for **~350K subscribers**, ensuring **high inbox placement**, bulk-sender **compliance**, integrated with a custom **analytics engine** to track ticket acquisitions patterns and attendance metrics.
- Ongoing platform maintenance, performance tuning, and **security-focused** feature enhancements to ensure production stability, scalability, and secure operations.

### Liberation Tek | Technical Lead | 2022 - Present

Project Overview: Hub For Teams – a collaboration suite, featuring

integrated file storage, email, contacts, calendar, video conferencing, and office productivity tools.

- Designed and implemented a scalable **container-based** architecture for secure **multi-tenant** team environments, with each instance reliably supporting **~400 concurrent** users.
- Built a custom **Node/Express** API and **WHMCS** module (**PHP**) to automate the provisioning, configuration and management of new team environments via the customer portal
- Continue supporting the stack as a **Technical Consultant**, managing orchestration, platform updates, **OWASP** compliance and alignment with the broader Liberation Tek ecosystem.

### **VEELIX | Lead Backend Developer | 2019 - 2021**

Project Overview: A SaaS ERP platform for schools and private educators providing a centralized tool for remote learning and administration.

- Designed and implemented **Go microservices** with **Bazel** builds for Courses, Marketplace, and Billing modules, including **PostgreSQL** schemas and **gRPC** APIs.
- Integrated Marketplace and Billing modules with **PayPal** to handle customer payments, recurring subscriptions, and automated vendor invoicing.
- Worked with the **Vue.js** frontend team to ensure the backend remained flexible and aligned with rapidly changing project requirements.

### **Open Source | 2015 - Present**

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#### **Nextcloud Appointments App | Core Developer & Maintainer**

- Develop and maintain a **CalDAV**-compliant scheduling app built with **Vue.js**, **PHP**, and Nextcloud APIs, supporting external calendar integration (Google/Outlook).
- Manage a freemium funding model, providing **pro bono** access to premium features for **non-profits**, **first-responders**, and **STEM educational programs**.
- Contributed bug fixes and improvements to the Nextcloud core.

### **Education**

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Hofstra University - Long Island, NY