

Velibor Simonovic

Backend Developer & Systems Administrator

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WORK EXPERIENCE

Hitex World Operations SA · Remote Dec 2022 – Present

Backend Developer

- Built the Skycaster.tv backend, a versioned REST API (TypeScript/Next.js) serving Open-Meteo forecasts to TV/radio broadcasters.
- Added API-key auth, Redis rate limiting and Stripe billing, with 267 unit tests.
- Built a headless, CLI-driven render pipeline (Electron, Chromium, FFmpeg) with SDI and MP4 output on macOS and Windows.
- Packaged and code-signed the Skycaster macOS app (electron-builder, Apple Developer ID) with bundled FFmpeg and V8 bytecode protection.
- Built WooCommerce payment gateways in PHP for Whop and Gumroad, with multi-product carts and webhook-based fraud protection.

Server Administrator

- Migrated hosting from cPanel/WHM (after 3 years) to self-managed HestiaCP on Oracle Cloud: 33 sites, 35 mail domains and 45 databases across 24 accounts.
- Run nginx + Apache, PHP-FPM 8.1–8.3 and MariaDB 11.4, with Let's Encrypt SSL on 31 domains.
- Run BIND DNS for 37 zones on custom nameservers (ns1/ns2.sxsful.com) and the mail stack (Exim via Brevo, Dovecot, SpamAssassin, ClamAV).
- Fixed email deliverability by tracing bounces to unauthenticated WordPress senders and missing SPF/DKIM.

Infrastructure Administrator

- Hardened the server with 11 fail2ban jails (incl. custom rate-limit and scanner filters), a 15-rule firewall and automatic security updates.
- Set up monitoring (New Relic, atop/sysstat, disk-usage alerts) and restic backups on a systemd timer with 14/6/6 retention.

EDUCATION

B.Sc. Information Systems and Technologies

Faculty of Organizational Sciences, Belgrade Oct 2024 – Oct 2028

E-business Technologies concentration. Coursework: Web Technologies, Databases, Software Engineering.

High School Diploma, Natural Sciences and Mathematics

Gymnasium "Bora Stanković", Vranje Sep 2020 – Jun 2024

Coursework: databases and SQL, computer networks, web programming, calculus, statistics, quantum and particle physics, astrophysics.

SKILLS

Backend

Go
TypeScript / Node.js
PHP
REST APIs
Redis
MariaDB / MySQL
Stripe API
React / Next.js

Infrastructure

Linux & Bash
nginx & Apache
HestiaCP / cPanel
Docker
Cloudflare
fail2ban & restic

LANGUAGES

Serbian	Native
English	Fluent
German	Elementary
Russian	Elementary