

Miloš Mijić

SYSTEMS DEVELOPER / PLATFORM AND BACKEND ENGINEER / BELGRADE

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Platform and backend engineer building full-stack internal systems and operational software across identity, device management, access, networks and infrastructure. I take end-to-end ownership from architecture and implementation through deployment, maintenance and documentation, with a focus on dependable operations, good user experience and less manual work across the organization.

EXPERIENCE

Oct 2025 – Present

Systems Developer · LearnUpon Ltd.

- Primary author and architect of an internal operations platform in Go, roughly 20,000 lines in a single binary, with an HTTP API, authenticated management interface and two background-worker pools coordinating multiple enterprise systems.
- Designed an event-driven, idempotent Factory job system with a serialized write queue for race-free external changes and fail-closed guards for consequential workflows when source data cannot be verified.
- Built an in-house SCIM provisioning and reconciliation engine in Go, using Okta group membership as the source of truth to grant, revoke and continuously reconcile downstream access.
- Automated employee IT lifecycle work including event-driven provisioning, HR-driven onboarding and offboarding ticket automation, timezone-aware deactivation and gated device wipes.
- Shipped full-stack Go applications using PostgreSQL, GORM, Google OIDC SSO, hardened sessions and CSRF protection, plus a zero-dependency access-review tool spanning seven SaaS platforms.

Mar 2023 – Oct 2025

Senior IT System Administrator · LearnUpon Ltd.

- Started and led the Go engineering now central to IT operations while owning network, endpoint and cloud operations across global offices.
- Implemented and managed SSO, SCIM provisioning and RBAC across 80+ applications in Okta, standardizing identity, access and role assignment across the application estate.
- Authored an enterprise macOS software-deployment engine of roughly 7,000 lines of Python, run fleet-wide through Jamf Pro, with self-healing atomic locking and a generic multi-format installer.
- Built the 77-application software-catalog pipeline feeding fleet auto-updates through fault-tolerant parallel release discovery, supply-chain integrity checks and keyless CI/CD to AWS S3 and CloudFront.
- Owned Terraform infrastructure for a DigitalOcean fleet and wrote a reusable Linux and SSH hardening toolkit from scratch, covering a CIS-style baseline, auditing and user-lifecycle automation.
- Designed, configured and maintained global office networking, including certificate-based Wi-Fi, self-hosted FreeRADIUS, UniFi, VPN access, DNS controls and HTTP firewall policies.
- Redesigned onboarding and access workflows to standardize access, improve the employee experience, reduce wait time and cut support load.

Feb 2021 – Mar 2023

IT Administrator · LearnUpon Ltd.

- Built and grew a fleet-automation library of roughly 250 Bash, Python and Go scripts for configuration, security and inventory across the macOS estate, deployed through Jamf Pro.
 - Engineered certificate and Wi-Fi EAP-TLS tooling and self-contained service subsystems, including secure remote-access tooling and a centrally governed application firewall.
 - Handled provisioning, onboarding and troubleshooting across endpoints and office networks, then improved recurring processes and produced detailed operational documentation.
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EXPERIENCE CONTINUED

Jul 2020 – Feb 2021	IT Support Engineer · Hyperoptic Ltd. - Investigated incidents with a root-cause focus and maintained consistent, detailed ticket records. - Supported Windows, Azure AD, Intune and device-lifecycle operations. - Improved support processes and trained users to reduce repeated issues.
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SELECTED SYSTEMS

01	Operations control plane Go, PostgreSQL, Faktory, Okta, OIDC and custom SCIM coordinating identity, devices, HR, access and assets through authenticated interfaces and explicit worker outcomes.
02	Certificate-based network identity Go platform to Jamf Pro to managed device certificate and Wi-Fi profile, with self-hosted FreeRADIUS validating EAP-TLS identity and UniFi enforcing access across global offices.
03	Enterprise software manager Python release discovery and managed-fleet delivery with architecture-aware catalogs, SHA-256 integrity, multi-format installation, atomic locking, staged promotion, deferral and recovery.
04	Internal workbench A server-rendered Go application using net/http and html/template for focused PKI, SAML, network, webhook and fleet workflows with bounded input and safe output handling.
05	Access review and evidence A zero-dependency Go tool that collects, normalizes and compares access data from multiple SaaS systems, keeps human review in the loop and publishes auditable evidence.

TECHNICAL RANGE

Software and data Go, Python, Bash, backend and systems engineering, full-stack Go web applications, REST integrations, Faktory, PostgreSQL, GORM, Claude for AI-assisted software engineering	Identity and security Okta, SSO, SCIM, custom SCIM, RBAC, OIDC, OAuth2, CSP, CSRF, rate limiting, TLS, certificate lifecycle, EAP-TLS, FreeRADIUS
Infrastructure and cloud Google Cloud Platform, AWS, Microsoft Azure, Terraform, Docker, Linux hardening, DigitalOcean, Cloudflare, GitLab CI/CD, Datadog	Fleet and networking Jamf Pro, macOS fleet management, UniFi, global office networking, VPN, DNS, HTTP firewall policy, software distribution and operational documentation

EDUCATION, CREDENTIALS AND LANGUAGES

Education University of Belgrade BA, English Linguistics and Literature MA, English Literature Languages English – Native/Bilingual Serbian – Native/Bilingual	Certifications and volunteering Jamf Certified Associate – Jul 2021 macOS for IT Administrators – Feb 2021 English Translator – Ministry of Foreign Affairs of the Republic of Serbia, Dec 2014 – Dec 2015
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