

Sreten Perić

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Professional Summary

Senior Software Engineer, Technical Lead, and Backend Architect with 18+ years of experience designing high-throughput distributed systems, cloud infrastructure (AWS/GCP), and event-driven microservices. Proven track record leading cross-functional engineering teams, driving DDD adoption, and delivering high-impact healthcare and enterprise platforms under high ambiguity.

Core Competencies & Keywords

- **Architecture:** Microservices, Event-Driven Architecture, Cloud Infrastructure, Distributed Systems, CQRS, Event Sourcing, Domain-Driven Design (DDD)
- **Roles:** Staff Engineer, Principal Engineer, Technical Lead, Backend Architect, Reliability Engineering (SRE)

Professional Experience

Magnolia | Basel, Switzerland (Remote) • *September 2024 – Present*

Senior Software Engineer / Technical Lead

- **Platform Scale & Impact:** Architected platform-wide CMS digital experience solutions using event-driven Java microservices, driving a 30% throughput gain and ensuring 99.9% availability across all enterprise client integrations.
- **Observability & Reliability:** Established SLO-driven reliability standards by implementing end-to-end tracing and Prometheus/Grafana monitoring, reducing mean time to detection (MTTD) for critical incidents.
- **Technical Strategy & Governance:** Defined org-wide microservices integration guidelines, API contracts, and domain-driven design (DDD) standards across cross-functional engineering pods.
- **Engineering Leadership:** Led sprint planning and mentored a team of 5+ backend engineers, achieving 85%+ test coverage and conducting technical hiring interviews to scale the team.
- **Technologies Used:** Java, Spring Boot, Microservices, Prometheus, Grafana, Kafka, Docker, Kubernetes.

Think Research | Toronto, Canada (Remote) • *February 2022 – August 2024*

Senior Software Engineer / Tech Lead

- Virtual Care & Digital Front Door Platforms: Led backend migration of legacy Ruby on Rails applications from GCE to GKE using Kustomize and ArgoCD pipelines, reducing deployment cycles by 40% and improving infrastructure reliability.
- Speed to Ship & Velocity: Shipped complex FHIR API integration in 6 weeks despite vendor API instability, enabling rapid onboarding for virtual care clients.
- Modernized healthcare data pipelines by converting legacy HL7 push feeds into scalable pull mechanisms via vendor REST APIs.
- Designed and deployed Healthcare Service Directory (HSD) leveraging FHIR API standards, ingesting high-volume data streams via Apache Kafka into GCP BigData storage.
- Technologies Used: Java, Spring Boot, Ruby on Rails, React, Kafka, Docker, Kubernetes, GCP, ArgoCD, PostgreSQL.

TECHNIA | Serbia • *January 2021 – February 2022*

Senior Software Engineer

- Built enterprise Product Lifecycle Management (PLM) solutions integrated with Atlassian SDKs using Java, Spring Boot, and React.
- Provisioned cloud environments and deployment configurations using Terraform, reducing developer setup time by 50%.

Hobsons / Modus Create | Arlington, VA, USA (Remote) • *May 2017 – January 2021*

Senior Software Engineer / Tech Lead

- Naviance Platform (National Transcript Center): Core architect behind microservices scaling on AWS.
- Engineered asynchronous pipeline via AWS SQS/Kafka, eliminating peak-traffic bottlenecks and processing 50M+ student records daily.
- Developed remote data storage and archiving solutions with MongoDB, creating unified internal APIs accessing both SQL and NoSQL data layers.
- Technologies Used: Java, Spring Boot, AWS Lambda, SQS/SNS, Kafka, MongoDB, Terraform, Docker, Kubernetes.

Clariness | Belgrade, Serbia • *February 2015 – April 2017*

Chief Software Architect

- Designed and delivered scalable SOA architecture for the Clinlife health platform utilizing Java 8, Spring, and Play Framework on AWS EC2.
- Automated infrastructure provisioning with Terraform, reducing environment setup times from days to under 30 minutes.

Experian | Belgrade, Serbia • *May 2014 – February 2015*

Senior Software Engineer / Tech Lead

- Built scalable event-driven messaging systems using RabbitMQ and Spring Integration to power the Global Fraud ID (GFID) platform.

Mogul | Belgrade, Serbia • *March 2011 – May 2014*

Senior Software Engineer

- Architected custom web/mobile solutions including F2F iPad lead collection tools and high-traffic portal platforms using Java, Liferay, Solr, and MySQL.

ASW Inženjering | Belgrade, Serbia • *April 2010 – March 2011*

Software Engineer

- Developed backend ERP core modules (asw:dominus) using Java Servlets, Oracle DB, and PL/SQL.

Belgrade University Computer Center | Belgrade, Serbia • *November 2007 – April 2010*

Software Engineer

- Developed device communication drivers and HL7 standard integrations for laboratory devices in the Heliant healthcare system using Java EE and MySQL.

Education & Credentials

University of Belgrade, School of Electrical Engineering

- B.S. in Electrical Engineering & Computer Science (2003 – 2008)

Certifications & Skills

- **Certifications:** Sun Certified Java Programmer (SCJP)
- **Backend & Core:** Java, Spring Boot, Microservices, REST/SOAP, Node.js, Python, Ruby, Go, C#
- **Cloud & DevOps:** AWS, GCP, Kubernetes, Docker, Terraform, ArgoCD, Kustomize, CI/CD
- **Data & Messaging:** Apache Kafka, RabbitMQ, PostgreSQL, MongoDB, Redis, Solr, FHIR/HL7
- **Languages:** English (Professional), Serbian (Native), French (Elementary)