

Giuseppe Santoro

Senior Software Engineer

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[gsantoro](#)

[santorogiuseppe](#)

[Cloud Native Engineer](#)

[Cloud Native Creator](#)

[Playstation launched games](#)

[gsantoro](#)

SUMMARY

Senior Software Engineer with over 12 years of experience in platform engineering, cloud-native technologies, and observability. Expertise in building infrastructure for millions of users at PlayStation and Elastic, focusing on high-performance distributed systems and data pipelines using Kubernetes, AWS, and GCP. CKA-certified with a proven ability to optimize systems, achieving significant reductions in query times and pipeline runtimes. Strong communicator and technical writer, mentoring teams in adopting cloud-native architectures.

SKILLS

- **Programming:** Python, Golang, SQL
- **Cloud & Infrastructure:** AWS (Lambda, Kinesis, EMR, S3, Glue, Athena), GCP (Dataflow, BigQuery), Kubernetes
- **Elastic Stack:** Elastic Cloud on Kubernetes (ECK), Elastic Agent, Beats, Kibana, Integration Development
- **DevOps & Tools:** Docker, Terraform, Ansible, Renovate, Bash scripting

EXPERIENCE

Senior Software Engineer

Elastic

Platform - Engineering Productivity Team

May 2024 - March 2025

- Significantly reduced infrastructure incidents by designing and implementing an internal framework to use Elastic Synthetic monitoring, driving adoption across 8+ engineering teams for monitoring business-critical internal services.
- Enhanced security posture by implementing company-wide dependency management through Renovate, ensuring consistent and up-to-date software dependencies across the organization's codebase.
- Improved incident response time as an active member of the production incident team, providing on-call support while delivering thorough root cause analyses that prevented recurring issues.

Senior Software Engineer

Elastic

Observability - Cloud Native Team

March 2022 - May 2024

- Expanded observability capabilities by developing a custom Elastic integration for Istio logs and metrics, enabling customers to effectively monitor service mesh performance.
- Streamlined troubleshooting processes by engineering a remote debugging solution for Elastic Beats running on Kubernetes using Go Delve Debugger and Tilt.
- Enhanced user experience by creating and maintaining specialized dashboards for the Elastic Kubernetes integration, improving visibility into cluster metrics.
- Resolved complex customer escalations related to Kubernetes implementations while contributing critical bug fixes and features to Elastic Agent and Beats codebases.
- Improved hiring quality by conducting technical interviews across multiple engineering positions, evaluating candidates' skills and team fit.
- Technical reviewer of the book Elastic Stack 8.x Cookbook.

Technical Writer

CloudNativeEngineer

2023 - Present

- Built substantial audience of 2,000+ subscribers by creating in-depth technical content on cloud-native technologies, maintaining consistent engagement with 4.7K monthly views.
- Established premium content subscription model, successfully converting readers to paid subscribers through specialized material on Kubernetes, Elasticsearch, and DevOps.

- Helped fellow engineers solve common challenges by sharing practical guides and real-world solutions based on hands-on experience with cloud-native technologies.
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Mentor

MentorCruise

2023 - Present

- Guided executive leadership on critical technical architecture decisions, resulting in successful Elasticsearch implementations and optimized system designs with measurable performance improvements.
 - Accelerated career progression for senior engineers through targeted mentorship on cloud-native technologies, system design, and professional development strategies.
 - Consistently prepared senior engineers for successful technical and behavioral interviews at leading technology companies, earning perfect 5-star ratings across multiple reviews.
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Big Data Engineer

PlayStation

Game Analytics Team

2018 - 2021

- Transformed query performance from hours to seconds by building a data analytics optimization tool in Golang that efficiently processed multi-month datasets using AWS S3, Athena, and Glue.
 - Enhanced data analysis capabilities by developing a real-time event processor with Python and AWS Lambda that improved ID mapping for better data correlation and insights.
 - Optimized infrastructure spend while supporting 10+ PlayStation game launches through strategic capacity planning and resource optimization using AWS EMR, Lambda, and Kinesis.
 - Eliminated critical incidents by leading a comprehensive pipeline refactoring project using Golang, Python, and AWS services, significantly improving system reliability.
 - Accelerated media content discovery by creating a video search and transcoding tool for Studio Engineers using Python, improving cross-team collaboration.
 - Maintained reliable operations of complex infrastructure including 10+ microservices, 20+ EMR jobs, and 5+ Lambda functions using Terraform and Ansible.
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Senior Software Engineer

Skimlinks

Platform Team

March 2017 - August 2018

- Dramatically accelerated pipeline runtime using Google Dataflow to efficiently ingest 120M documents into Elasticsearch, completing tasks in a fraction of the previous time.
 - Delivered substantial cost savings by migrating data pipeline from on-premise Hadoop to Google BigQuery while simultaneously improving overall query performance.
 - Eliminated manual intervention through Airflow orchestration on Kubernetes, automating pipeline scheduling and monitoring while reducing operational overhead.
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Senior Big Data Engineer

Big Data Partnership (acquired by Teradata)

Training & Consulting

2013 - 2015

- Delivered official Hadoop training at Hadoop Summit with Hortonworks for 2 consecutive years, showcasing technical expertise to industry professionals.
 - Led 5+ Hadoop training courses (Admin/Developer) across Europe, achieving 90% positive feedback from participants.
 - Led team of 3 engineers in 4-month greenfield project implementing Hadoop cluster and data pipeline for a major client.
 - Demonstrated technical excellence with certification scores: Hadoop Administrator (83%), Developer (92%), and Java Developer (93%).
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EDUCATION

Master's in Computer Engineering

University of Catania

Graduated with honors

2006 - 2012

Bachelor's in Computer Engineering

University of Palermo

Graduated with honors

2002 - 2006

CERTIFICATION

Certified Kubernetes Administrator (CKA)

Linux Foundation

2023 - 2025

Comprehensive certification demonstrating expertise in deploying, managing, and troubleshooting Kubernetes clusters in production environments.

LANGUAGES

- Italian (Native)
- English (Professional)