

ELIA BRACCI

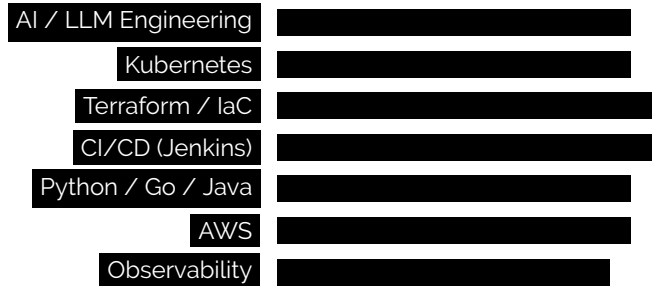
Senior DevOps / Platform Engineer

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in Elia Bracci
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PROFILE

Senior DevOps and platform engineer building agentic AI tooling for SRE and CI/CD alongside large-scale Kubernetes and AWS infrastructure. Recent work spans LLM gateway integration, MCP-based incident investigation, autonomous PR review, and internal AI assistants, in close partnership with Security and Legal. Strong background in Terraform, Jenkins, and observability-driven platform engineering.



EDUCATION

2017/2018 – **Master's Degree in Engineering and Computer Science** Alma Mater Studiorum Università di Bologna
2019/2020
2014/2015 – **Bachelor's Degree in Engineering and Computer Science** Alma Mater Studiorum Università di Bologna
2016/2017

WORK EXPERIENCE

8/2024 – current **Senior DevOps / Platform Engineer** Hootsuite

- Designed and scaled an extensible agentic SRE platform across 6 Kubernetes environments that autonomously triggers incident investigation and CI triage; integrated 10+ MCP servers to provide real-time execution context, significantly accelerating MTTR and MTTR.
- Spearheaded the integration of autonomous AI agents into the SDLC, enabling zero-touch PR approvals for infrastructure changes and automated code analysis to drastically reduce manual overhead.
- Architected and deployed a governed, company-wide internal AI assistant in partnership with Legal and Security, enabling secure self-service access for hundreds of engineers across Slack while maintaining strict compliance and accelerating development workflows.
- Led core infrastructure modernization: Executed complex, zero-downtime migrations including transitioning 20+ services to EKS Pod Identity, replacing deprecated CI/CD tooling with Jenkins, and re-platforming from Istio to Traefik across 4 production clusters.
- Optimized cluster efficiency: Implemented cluster-wide VPA/HPA policies, significantly improving resource utilization and cost-to-performance ratios.
- Architected high-performance CI/CD pipelines with advanced parallel execution and automated rollback capabilities, significantly reducing release cycle times.
- Elevated system observability by architecting custom Prometheus exporters and unified Grafana dashboards, reducing MTTR for critical incidents by 40% through proactive alerting and automated log-correlation analysis.
- Executed a zero-downtime, major version upgrade of Karpenter across 6 clusters, including mission-critical production environments; successfully managed complex breaking changes and configuration migrations to ensure continuous service availability.

Python / Go / Kubernetes / AWS / Karpenter / Terraform / Atlantis /
Jenkins / ArgoCD / LLM / MCP / Prometheus / Grafana / DevOps

- Designed and implemented GitOps-driven CI/CD workflows (Jenkins, ArgoCD, Helm) on AWS, accelerating deployment frequency by 60% and enabling safer, automated releases.
- Developed resilient microservices in Python, Scala, and Go, and engineered a centralized IaC framework (Terraform/Terragrunt) to automate infrastructure deployment across 15+ environments, eliminating manual provisioning and reducing configuration drift.
- Conducted extensive stress and performance testing, identifying bottlenecks and driving infrastructure optimizations that reduced monthly AWS cloud costs by 20% while maintaining 99.99% uptime.

Kubernetes / Python / Go / Jenkins / Terraform / Terragrunt / ArgoCD / AWS / Helm

- Designed and developed full-stack RESTful applications (Angular.js, Node.js) to support 15,000+ daily users, focusing on responsive design and low-latency API interactions.
- Architected and deployed scalable Java/Spring microservices on Red Hat OpenShift, transitioning legacy monolithic features into modular, highly available services.
- Automated build and deployment lifecycles by designing Jenkins CI/CD pipelines, increasing release velocity by 40% and standardizing delivery pipelines across the engineering team.

OracleDB / Jira / OpenShift / Kibana / Python / Docker / Java / GoCD / bash / Microservices Framework / Spring / Jenkins / DevOps

- Developed RESTful IoT and enterprise web applications in Java (Spring), with React.js, Node.js, and Android clients; maintained CRM/ERP and legacy PHP and Django stacks.

Java / Spring / React.js / IoT / Docker

LANGUAGES

Italian - Native
English - Professional Working Proficiency (B2)
French - Professional Working Proficiency (B2)

CERTIFICATIONS & TRAINING

DevOps Foundations
GDPR Compliance
Agile Development & Testing
Tosca Testing

HOBBIES

Passionate about soccer, sailing, and motorsports.