

Iury Jemes Fukuda Martins

Platform Engineer | DevOps Engineer | SRE | AI Evaluation Specialist
São José, SC, Brazil | +55 (48) 99156-9836 | iuryfukuda@gmail.com
<https://github.com/zbioe> | <https://linkedin.com/in/iuryfukuda> | <https://zbioe.com>

PROFESSIONAL SUMMARY

Platform engineer with over ten years of experience in infrastructure, DevOps, SRE and software development. I build and operate reproducible and observable platforms with Kubernetes, NixOS, Terraform, OpenTofu, Ansible, AWS, Azure and Oracle Cloud. I have experience with GitOps, ArgoCD, Helm, Grafana, Prometheus, Loki, high availability, disaster recovery, incident response, backups and distributed database management. I develop tools and services in Go, Python and Elixir, including a SaaS built with Phoenix LiveView. Today I create and evaluate benchmarks for language models on Platform Engineering, SRE, DevOps and Cloud Ops tasks.

TECHNICAL SKILLS

- **Cloud:** Azure (AKS, VNet, NSG, Application Gateway with WAF, Load Balancer, Private DNS, multiple subscriptions), AWS, Google Cloud Platform (GCP), Oracle Cloud (OCI), Cloudflare
- **Infrastructure as Code:** Terraform, OpenTofu, Ansible, Nix, NixOS, Colmena, HashiCorp Consul, Vault, Nomad
- **Containers and orchestration:** Kubernetes (AKS), Helm, Docker, k3s, Docker Compose, libvirt, KVM
- **CI/CD:** GitHub Actions, ArgoCD, GitOps, TeamCity
- **Observability:** Grafana, Prometheus, Loki, Alloy, Elastic Stack
- **Programming:** Go, Python, Elixir, Phoenix LiveView, Bash, PowerShell, Nix
- **Databases and messaging:** PostgreSQL, MongoDB, Elasticsearch, Neo4j, RabbitMQ, Kafka
- **AI:** LLM evaluation, benchmark design, RLHF, grading and rubric review, agent testing
- **Practices:** high availability, site reliability, disaster recovery, incident response, on-call, runbooks, postmortems, secrets management, service mesh
- **Operating systems:** Linux (NixOS, Debian, Alpine)

PROFESSIONAL EXPERIENCE

AI Evaluation Engineer (Platform SME) | Bespoke Labs

Santa Clara, CA, United States (remote) | Mar 2026 to Present

- Create and curate benchmarks used to train and evaluate large language models on Platform Engineering, SRE, DevOps and Cloud Ops tasks.
- Grade model outputs for infrastructure problems as part of a technical RLHF pipeline, checking each solution for security, performance and resilience before it becomes a reference answer.
- Write and run agent evaluations using the company's internal framework, similar in style to Harbor.
- Research edge cases to map where models still fail on domain specific infrastructure work.
- Promoted to reviewer in June 2026. Now also review evaluations written by other engineers before they enter the training pipeline.

Founder and Lead Engineer (side project) | Zagenda

Remote | Feb 2026 to Present

- I build Zagenda (zagenda.me), a scheduling SaaS for independent professionals, in Elixir and Phoenix LiveView: public booking with OTP confirmation, real time dashboard, Google Calendar integration and Oban background jobs.
- Payments with Stripe, Mercado Pago and PagSeguro behind a single gateway abstraction, SaaS billing through Asaas, and encryption at rest for tokens and billing identifiers.
- Production runs on an infrastructure substrate I built for it: 3 NixOS nodes on Oracle Cloud provisioned with OpenTofu, Nomad for scheduling, Consul for the service catalog, and highly available PostgreSQL with Patroni and off site backups.
- Zero public TCP ports on the cluster, SSH included: everything rides Cloudflare Zero Trust tunnels, nodes talk over a WireGuard mesh, and logs and metrics ship to Grafana Cloud.
- CI with post deploy smoke checks and automatic rollback to the previous generation on failure.

DevOps Engineer | Bornlogic

Curitiba, PR, Brazil | Mar 2020 to Feb 2026

- Started the company's DevOps area as its first engineer and remained one of its two main people as the team grew to three.
- Found a platform with no monitoring, no backups and no automation, and databases running inside a raw Kubernetes cluster. Built the DevOps structure from that starting point: monitoring, automated backups, GitOps deploys and infrastructure as code.
- Kept Gerentes Digitais (gerentesdigitais.com), the company's flagship product, available for six years across 3 Kubernetes clusters on Azure (AKS), handling upgrades, capacity and incident response.
- The platform served major Brazilian retailers, Magazine Luiza and Ambev among them, moving heavy video, photo and ad campaign traffic through our infrastructure.
- Shared production on-call in an informal rotation with the other engineer, kept runbooks in Notion, and ran postmortem discussions after incidents that turned into new alerts and prevention work.
- Ran deployments through ArgoCD in a GitOps flow, with Helm charts where needed.

- Built a fully automated proof of concept with Terraform and Ansible for migrating the platform to AWS. The migration was shelved when the company received additional Azure credits.
- Published infra-consul (github.com/zbioe/infra-consul), a public proof of concept from this period that converts NixOS definitions into Terraform and generates clusters federated through Consul, with Vault for TLS.
- Ran the company's BI product on a dedicated Tableau server.
- Ran the production data layer: 3 MongoDB clusters with 3 replicas each, 2 Neo4j clusters, 2 Elasticsearch clusters (one with 5 nodes, one with 3) and PostgreSQL managed on Azure.
- Migrated MongoDB to new machines with zero downtime, replacing one replica at a time and removing the old members only after the new ones were healthy.
- Managed backups and automated recovery for all of these databases and for S3 buckets.
- Monitored production in real time with Grafana, Prometheus and Loki.
- Wrote and maintained infrastructure automation with Terraform, Ansible, NixOS, shell and PowerShell, including Active Directory tasks.
- Ran the Azure network layer across multiple subscriptions: private VNets with peering and NSGs, Application Gateway providing WAF and transparent authentication, and Azure Load Balancer as the only public entry point.
- Built CI/CD pipelines with GitHub Actions and worked with developers to design and provision resources for new projects.

Linux Support Freelancer | Self employed

Florianópolis, SC, Brazil | Oct 2019 to Feb 2020

- Maintained Linux servers for clients, handling updates, monitoring and troubleshooting.
- Automated the setup of open source meeting systems and a local monitoring stack, ran a dedicated game server for a client, and handled disaster recovery for a broken Docker pipeline.

API Developer | Stratum.hk

Florianópolis, SC, Brazil | Aug 2019 to Sep 2019

- Maintained a Go API for the stratumBlue cryptocurrency investment fund.
- Added Dockerfiles and unit tests to legacy services.

IT Automation Analyst | Everis (Santander project)

São Paulo, SP, Brazil | Apr 2019 to May 2019

- Wrote automation scripts for internal banking infrastructure at Santander using Rundeck, Chef and shell.

Software Developer | Neoway

Florianópolis, SC, Brazil | Jun 2017 to Feb 2019

- Created, integrated and maintained data extraction pipelines in Python and Go on an AWS based stack.
- Built the company's first crawler, written in Go, collecting restaurant pages and extracting keywords about each location for the BI product.
- Maintained internal Go APIs for captcha solving and proxy management.
- Standardized development and test environments with Docker Compose and moved data between teams with RabbitMQ.

Linux Support Analyst | Hostgator

Florianópolis, SC, Brazil | Jan 2017 to May 2017

- Resolved security incidents, migrated sites, recovered databases and handled abuse reports.
- Supported clients with cPanel, mail servers and proxy configuration.

System Administrator | Hydra Systems

Florianópolis, SC, Brazil | Jun 2015 to Jan 2017

- Managed production servers for gambling systems with strict availability and physical security requirements.
- Ran 3 central servers on AWS connected through VPN to local game servers spread across venues in the United States.
- Built an internal test lab with one VLAN per game, replacing a routine where testing a client's game pool meant reinstalling every terminal.
- Automated the generation of the encrypted ISO installers that clients used to set up their local servers, with integrity checks against unauthorized copies of the software.
- Monitored a local OpenStack cloud and automated builds and deployments with TeamCity.

Early in my career, between 2014 and 2017 and alongside college, I worked as a freelance automation developer at OSI Web Services building a Python management tool for Raspberry Pi controlled LED panels, was a paid teaching monitor at Unisul for the five introductory programming subjects, and did IT support internships at Kloud TI and Policlínica São Lucas.

OPEN SOURCE AND PROJECTS

- **Dotnix** (github.com/zbioe/dotnix): NixOS configuration for full workstation replication, with Flakes, modular configs and custom ISO generation.
- **Nixpkgs contribution** (NixOS/nixpkgs PR 145166): merged pull request adding the Kuma package to the official NixOS package repository.

EDUCATION AND LANGUAGES

- **Bachelor's degree in Information Systems (incomplete)**, Unisul, Palhoça, SC, 2014 to 2017. Paused to focus on career.
- **Technical degree in IT**, Senai, São José, SC, 2011 to 2013.
- Languages: native Portuguese, professional working English (EF SET English Certificate 73/100, C2 Proficient).