

Felipe Alexandre da Silveira

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PROFESSIONAL EXPERIENCE

Feedzai – Senior Data Reliability Engineer @ Data Reliability: from June/2024 till now

Responsible for ensuring reliability and automation of stateful workloads in Kubernetes at Feedzai. Mainly by providing abstractions and automation for different product teams by providing different Kubernetes operators along with a set of integration services to accelerate adoption and migration from EC2 to Kubernetes (EKS).

Tech stack: Golang, Python, AWS, ECS, FluxCD and Kubernetes Controllers/Operators to automate installation/configuration of different components of the platform. Kafka, RabbitMQ, Zookeeper, Elasticsearch, Spark and Volcano for messaging and batch scheduling of compute intensive workloads.

Farfetch – Principal Engineer @ Platform Core: from Oct/2023 till June/2024

Responsible for enhancing user experience and productivity of Platform and Software Engineering teams by ensuring reliability and constant evolution of the core tooling used to support the Software Development Life Cycle and Infrastructure teams.

Responsible for Configuration Management, Artifact Registry, Service Catalog and Service Discovery, Change Control, Secret Management, and the Internal Developer Platform (IDP).

Tech stack: Golang, Python, Groovy, Jenkins, Azure Kubernetes Service, Artifactory, Consul, HashiCorp Vault, GitLab (on-prem), SaltStack, Terraform, Kubernetes Controllers/Operators to automate installation/configuration of different components of the platform.

Farfetch – Principal Engineer @ Delivery Platform: from May/2023 till June/2024

Responsible for the CI/CD platform used by over 800 Farfetch developers to accelerate the Software Development Life Cycle. Assigned as principal engineer along with a team of seven engineers.

Acting mostly on consolidation and modernization of the CI/CD stack – where the biggest challenge is integrating different systems and architectures to help promote best practices and help accelerate teams delivering their products and features in a performant, reliable, and repeatable way.

Responsible for CI/CD, Providing base Container Images, Cluster Autoscaling, Deployment of Stateful/Stateless Workloads, and Pre-install tasks (DB schema migrations, CDN content publishing, etc).

Tech stack: : ArgoCD, Argo Workflows, Argo Events, Jenkins, GitLab, Terraform, Golang, Python, Azure Kubernetes Service.

Farfetch – Senior Engineer @ Developer Experience from: Feb/2022 till May/2023

Assigned as part of the Developer Productivity team, focused on continuous integration and improving the developer experience with the right tooling.

Responsible for maintaining flexibility and autonomy of over 3000 services and libraries to deliver value in a fast-paced environment, using scalable and tech-agnostic pipelines.

Tech stack: Jenkins (CI/CD), Groovy (Shared library and Declarative Pipelines), Golang, Python, Prometheus exporters, responsible for API integrations, automation, etc. Also responsible for maintaining the CI/CD Kubernetes clusters on Azure Kubernetes Service (provisioning, patching, customization).

Farfetch – Senior Engineer @ Observability Platform from: Aug/2021 till Feb/2022

Part of the Observability platform team, responsible for supporting, scaling, and increasing the reliability of the platform for analysis, detection, and investigation.

As an observability engineer, I worked with various open-source tools like Prometheus, Thanos, Grafana, Elasticsearch, and Kubernetes to help build a robust, multi-region platform that is both reliable and self-service to empower our users.

IBM Global – Application Developer @ M&EaaS: from June/2020 to July/2021

Acted as Application Developer on the M&EaaS (Monitoring & Event Automation as a Service) team, being responsible for the creation and maintenance of an API synchronization microservice written in Go Language, to extract information from different monitoring tools and consolidate data from multiple sources into a single API.

Responsible for CI/CD tools such as Jenkins, UrbanCode Deploy, and the Build & Test, and deployment pipelines used by the team. Also responsible for the development and support of all Helm Charts and Dockerfiles used by the team for packaging/deploying applications.

Responsible for creating tools and scripts used by the development team to increase productivity, such as Command Line utilities for facilitating interaction and load tests on different APIs and Ansible Playbooks for automating the deployment of services in general.

Tech stack: Jenkins, UrbanCode Deploy (UCD), Kubernetes, OpenShift Container Platform (OCP), Ansible, Helm, Golang

IBM Global – Site Reliability Engineer @ M&EaaS: from Nov/2017 to Jun/2020

Acted as part of the M&EaaS (Monitoring and Event Automation as a Service) team, being responsible for the reliability of the solution -- which provided integrated monitoring services for multiple IBM customers across Europe, along with different IBM infrastructure teams across North America.

Was responsible for the deployment and reliability of the solution, supporting both Development and Ops teams by automating and developing better ways of doing things, while also being responsible for onboarding new customers.

The following tech was used in the day-to-day: Linux, Kubernetes, Docker, Jenkins, UrbanCode Deploy (UCD), Go, Bash, Python, Ansible, Ansible Tower, Chef, Prometheus, Tivoli Monitoring, IPM8

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IBM Brazil – Lead System Engineer @ Michelin North America: from Jan/2015 to Nov/2017

Was responsible for developing new monitors and automation to support Michelin North America monitoring infrastructure to guarantee quality and availability using ITM6 and BlueCARE, and also acted as technical lead of the level 2 support team (4 people).

Responsible for developing new monitoring agents and providing tooling and automation to support Michelin North America monitoring infrastructure, helping to ensure quality and reliability using ITM6 and BlueCARE.

IBM Brazil – Subject Matter Expert @ Global Enterprise Automation: from July/2011 till Jan/2015

Assigned as a Subject Matter Expert for the Enterprise Automation team. Being responsible for automating and supporting all monitoring infrastructure for Global offshore accounts using ITM5, ITM6, and BlueCARE, being responsible for supporting accounts such as Whirlpool, Honda Motor Company, GAP, IBM Canada, Michelin North America, and Morgan Stanley.

IBM Brazil – IT Specialist @ e-Business Hosting: from Feb/2009 to June/2011

Was assigned to the Enterprise Automation team at IBM Brazil as a technical specialist on IT infrastructure monitoring and automation solutions.

Acted on providing support for the largest BMC Patrol environment at IBM with over 4000 monitoring agents integrated with different Tivoli monitoring tools used for observability of applications and multiple data centers' infrastructure.

Used different tools, such as Tivoli Configuration Management, Tivoli Distributed Monitoring, and ITM 6.2 solutions for a pool with over 100 off-shore accounts in different sectors such as Banking, Health Care, Oil and gas, Automotive, Energy, Retail, News Media, and Public Sector.

Was also responsible for the development and delivery of new solutions focusing on the automation of manual tasks for cost reduction and revenue assurance.

BearingPoint – Senior IT Infrastructure Consultant: from Oct/2007 to Nov/2008

Specialist in IT infrastructure solutions, part of the Technology & Solutions team. Responsible for helping with pre-sales and implementations of IT infrastructure projects on BearingPoint Brazil.

Worked as part of the Knowledge Management team at VALE, being responsible for managing new demands and the generation of the Key Performance Indicators for mining assets fuel supply.

IBM Brazil – IT Specialist from: Aug/2006 to Oct/2007

Specialist in IT infrastructure solutions, part of the Brazilian Automation service line at IBM Brazil.

Assigned as Subject Matter Expert, on non-IBM solutions at Carrefour Brazil, being part of the outsourcing transition project -- on which most of Carrefour's infrastructure was migrated to IBM data centers. On this project, I was responsible for the development and delivery of new solutions focused on automating manual tasks, reducing operational costs, and helping integrate customer's infrastructure with IBM's internal systems.

Also worked on supporting the sales team with several Proof of Concepts and trials for the solutions we were proposing during the outsourcing process.

EDS – Infrastructure Specialist from May/2006 to Aug/2006

IT specialist with a focus on supporting the EDS clients, using the following solutions: CA Unicenter TNG / NSM, BMC PATROL, and BMC PATROL Performance.

Part of the Automation and Tools off-shore group, supporting accounts in the US like NASD and Nextel.

AUM Management – IT Consultant from Aug/2004 to Apr/2006

IT consultant, with a focus on Infrastructure Management and Service Desk solutions using BMC Software and Computer Associates solutions in large/medium accounts like Petrobras, Aracruz Celulose, Light, Oi (Telemar), Blah! (TIM), Andima, Unimed, White Martins and SITA.

EDUCATION AND LANGUAGES:

- System Analysis course at Estácio de Sá University (incomplete).
- Fluent in reading, writing, and conversation in English and Portuguese (native).

COURSES, CERTIFICATIONS & AWARDS

- Recognized with Certified Kubernetes Administrator, June 2023 ([Credly badge](#))
- Recognized with Farfetch's Key Contributor Award, March 2023
- Recognized with the Cognitive Innovation Leadership award by GTS Labs for demonstrating exemplary leadership in designing & deploying innovative cognitive solutions for IBM clients, December 2019. - Master Certified Technical Specialist, Infrastructure and Application Management by the Open Group ([Acclaim Badge](#)), June 2018.
- IBM Technical Specialist Profession Certification L2 ([Acclaim badge](#)), June 2018.
- Recognized with the IBM Manager's Choice Award for demonstrating the practice: Think. Prepare. Rehearse, November 2017.
- Recognized with the IBM's Essential Award for demonstrating the practice: Drive Innovation to existing client base, April 2017.
- Recognized with the IBM Manager's Choice Award for demonstrating the practice: Share Expertise, November 2016.
- Recognized with the IBM Manager Empowerment Fund Program for demonstrating the practice: Show Personal Interest, July 2016.
- Recognized with the IBM Manager's Choice Award for demonstrating the practice: Dare to Create Original Ideas, June 2016.
- TOEFL IBT – English proficiency certificate given by ETS (License number 0000000027050335) January 2016.