

FELIPE BRIGATTO

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Staff Software Engineer

- 10+ years of Software Engineering experience in e-commerce, fintech, and delivery sectors within global enterprises. Focused on driving tangible results, strategic team management, and delivering high-value products while enforcing rigorous Python code quality.
- Led initiatives resulting in a 70% reduction in fraudulent payments by deploying Python-based fraud detection and mitigation systems.
- Expertise in Agile/DevOps processes. Streamlined deployment from 5 days to 20 minutes through strategic automation using Python testing frameworks (e.g., Pytest) and scripting.

Summary of Qualifications

Python | Django | Flask | FastAPI | Pytest | Pandas | Jupyter
Ruby | Ruby on Rails | Rspec | Sidekiq | VueJS | React
Golang | gRPC | Elixir | Phoenix | Java | Spring | Maven
Git | GitHub | Bitbucket | GitLab | Phabricator
MySQL | PostgreSQL | MariaDB | MongoDB | DynamoDB
Docker | Docker Compose | Kubernetes | Terraform

Jenkins | CircleCI | SonarQube | GitHub Actions | ArgoCD
Cloud Computing | AWS | GCP | Linux Network | On Premise
DataDog | New Relic | LogStash | Grafana | Kibana
Team Management | Mentoring | Performance Reviews
Data Structure | Web Application | REST
SQS | Kafka | RabbitMQ | Redis

Professional Experience

PIER | Nov/2024 – Apr/2025

Senior Software Engineering Manager

- Leadership:** Directed 10 Engineers as Head of Infrastructure and Software. Mentored 40 personnel, including Engineering Managers. Served as Point of Contact for Head of Business across Underwriting, Pricing, and Inspection domains, frequently integrating with core Ruby/Ruby on Rails systems.
- DevOps/SRE:** Implemented modern deployment methods using ArgoCD, decreasing deployment time and system downtime for core applications, improving load balancing stability for Ruby on Rails services. Led functions across SRE, DevOps, DevEX, SecOps, GitOps, and FinOps.

Main tools: Ruby, Ruby on Rails, Python, Pandas, React Native, JIRA, DataDog, GitHub Actions, AWS, Keycloak, ArgoCD, Terraform

Main Achievements:

- Delivery Consistency:** Achieved a 95% sprint delivery rate relative to historical performance. This was accomplished by guiding Product and Engineering Managers in detailed epic definition, quarterly planning, and prioritization, ensuring alignment with business goals critical to the performance of underlying Ruby services.
- Cost Optimization:** Secured 55% cloud cost savings by optimizing Kubernetes node usage based on CPU/memory utilization and evaluating cloud provider contracts to utilize reserved instances for databases and virtual machines hosting persistent Ruby on Rails infrastructure.

RECARGAPAY | Jan/2024 – Oct/2024

Software Engineering Manager

- Managed 19 Engineers (direct + indirect) across Brazil and Argentina. Provided technical mentorship in Java and JavaScript. Aligned engineering strategy with company goals, driving Java-centric architectural and system design decisions focused on scalability, performance, and business outcomes.
- Organized and scaled anti-fraud decision engines for high-volume transactions, encompassing payments, credit cards, loans, government ID, PIX, and device authentication. Built and maintained using Java/Spring technologies.
- Reshaped the engineering organization to facilitate doubling team size, preparing the Java service architecture for new product scale-up. Managed budget, hiring, and team building.
- Oversaw systems processing a TPV of USD 4.4B, doubling annually through portfolio expansion. Initiated new value streams and rapid experimentation using short feedback loops within the Java ecosystem.

Main tools: Java, Spring, JavaScript, React Native, JIRA, PagerDuty, GitHub Actions, NewRelic, AWS, Docker.

Main Achievements:

- Cost Savings & Efficiency:** Delivered over USD 2MM in total savings. Saved \$200k by optimizing developer experience and fast flow using Team Topologies principles, applied to Java development and deployment.
- Processing Cost Reduction:** Strategically re-engineered transaction routing logic within the core Java payment platform based on Merchant Category Code (MCC), resulting in a 70% reduction in processing costs.
- Onboarding & Open Finance:** Enhanced application registration, adhering to the Brazilian Central Bank's Financial

System Client Registration (SCR) standards. Expanded the Open Finance use case using shared data from Java services, reducing customer onboarding time from 45 minutes to 15 minutes.

- Business Account Expansion (Java Backend): Developed and launched a fully automated Business Account feature, built on a robust Java backend, which expanded the user base by 10 million in the first month.

UBER | Jun/2022 – Dec/2023

■ **Software Engineering Manager**

- Leadership of 5 Engineers migrating from Cornershop to Uber for LATAM region, mentoring in Go language, on-call routine, technical and product documentation, focusing on code scalability and stakeholder communication.
- Collaborated with lead engineers and business managers, taking ownership of architecture design and review processes. Defined the best-suited application design for complex system integrations, documented via RFC and ERD standards.
- High-Volume Financial Integration (Python): Directly handled the migration and cessation of bank integrations, managing over 5 million physical cards across multiple Latin American countries. Evaluated external bank APIs and operational metrics to ensure zero-downtime transition and compliance.
- Asset and Inventory Optimization: Managed the technical backend for monthly processing of 1 million inventory assets (warehouses and shoppers). Designed and implemented optimized systems for mail tracking, remote credit card activation, and stock purchases driven by statistical analysis.
- Authored and maintained detailed technical and product documentation (Confluence, Phabricator). Utilized JIRA, PagerDuty, Jenkins, and Grafana for workflow, incident management, CI/CD, and monitoring.
- Performance evaluation and change management, demonstrating exceptional multitasking and organization skills, analytical mindset, and attention to detail.

Main tools: Go lang, Phabricator, JIRA, PagerDuty, Jenkins, Grafana, Confluence, RFC and ERD documentation

Main Achievements:

- Zero-Downtime Card Swap (Python Execution): Delivered the technical solution for swapping 5 million cards for Cornershop delivery partners in 2 months without interrupting partner jobs or causing system downtime. This execution allowed Uber to meet the contractual deadline for shutting down the Cornershop brand, avoiding financial penalties and prolonged development costs.
- Cross-Cultural Payment System Migration: Led the technical mapping and implementation for migrating the Cornershop Pay system. This required deep technical analysis of the existing flow per country and identifying relevant project classes. Successfully migrated 80% of grocery partners in 7 months, maintaining 90% of GMV (Gross Margin Value) and achieving zero downtime.

CORNERSHOP BY UBER | Jan/2021 – Dec/2023

■ **Software Engineering Manager | Feb/2022 – Dec/2023**

- Mentored 8 engineers for technical skills improvements, including architecture, diagram creation, time complexity, data structure, accountability, stakeholder communication, and crisis management.
- High-Volume Financial Integration: Directly developed and maintained backend services in Python, Django, and Flask for integration with bank providers supporting physical card transactions across LATAM and US&C. Handled daily transaction volume exceeding \$5M USD. Primary focus on implementing Python-based fraud reduction logic.
- Engineered the setup for digital payments in Latin American stores, processing over \$1M USD daily without incurring standard card network fees. Developed customized Python services for individual merchant store control and complex conciliation processes.
- Accountable for implementing new features, establishing payment conciliation routines, configuring MCC blocking, executing fraud analysis, and leading crisis management alongside key account managers. Utilized Python monitoring tools (Datadog, Sentry) to manage alerts and metrics.
- Executed the technical migration of resources and systems to the Uber stack while ensuring the integrity and functionality of the core Cornershop Python stack remained unaffected.

Main tools: Python, Django, Flask, Shortcut, Notion, Flow by Pluralsight, CircleCI, Sonarqube, Datadog, PagerDuty, Sentry.

Main Achievements:

- Fraud Reduction (70%): Designed, developed, and deployed Python solutions that resulted in a 70% reduction in fraud payments. This involved mapping common fraudulent practices and rapidly deploying quick-fix and long-term Python-based mitigation strategies informed by dashboard analysis.
- Directly implemented logic to identify and block fraudulent CNPJs (tax IDs) for both merchant machines and store branches. Configured system-wide blocking mechanisms based on MCC (Merchant Category Code), effectively preventing repeat fraudulent transactions.

- **Loss Mitigation and Control:** Led the technical migration of payment providers for Colombia, Puerto Rico, and Brazil to our international banking partner (already integrated in Chile). This involved a large-scale data and integration project in Python, enabling real-time control and allowing the swapping of 1 million cards. This reduced losses from fraudulent activities by 95%, saving \$20K USD/month.

Senior Software Engineer | Jan/2021 – Jan/2022

- Led multicultural Latin American team using ShapeUp methodology for high-velocity Python development cycles.
- Architected migration of a monolithic Django repository into a microservices-aligned structure, organizing independent Django apps per team, enforcing CI/CD pipeline integration via AWS and Docker.
- Established a comprehensive observability stack for critical bank partner integrations across LATAM, Canada, and the USA, leveraging Datadog, Sentry, and PagerDuty.
- Engineered real-time payment approval system by integrating bank APIs for physical credit card processing, including 3D Secure authentication using Python services.
- Designed and implemented a decentralized bank integration strategy using FastAPI microservices to handle region-specific complexities: multiple currencies, BIN ranges, brand types, and distinct prepaid/authorization flows across Latin America.

Main Tools: Python, Flask, Django, FastAPI, Pytest, AWS, S3, Docker, PagerDuty, Shortcut, Redis, Datadog, Sentry, Pganalyze.

Main Achievements:

- **System Resilience Improvement:** Reduced system latency from 10 seconds to 3 seconds for transaction transmission by defining a new bank provider and hardening integration weak points. This directly resulted in an 80% reduction in support tickets and a 60% decrease in canceled orders.
- **Notification Flow Optimization:** Identified root cause of systemic notification flow failures and developed a replacement system in Python/FastAPI. This yielded a 40% decrease in missed calls, a 10% reduction in canceled orders (of total orders), and a 60% drop in customer support contact volume.

GERDAU | Mar/2020 – Sep/2020

Senior Software Engineer Consultant

- Management of technical tasks within the squad and across other squads, scripting and parsing data in Pandas.
- Refactored deployment pipelines for both development and production environments.
- Acted as a Git repository manager, dealing with protected branches, pipelines, tags, and pull request requirements.
- Consolidated DevOps culture within both development and data science teams. Established a foundation for Continuous Integration leveraging TDD, unit testing, and coverage reports.

Main Tools: Python, Django, Flask, Pytest, AWS, DynamoDB, S3, Docker, GitLab, JIRA.

Main Achievements:

- Optimized Docker to run on multi-environment infrastructures, making build time 90% faster. Reduced bug incidence from 5-7 per sprint to 0-1, by improving project stability.
- 80% decrease in execution time for Data Science projects, from 7 days to 2 hours. Divided a mono-repo into separate repositories and libraries, facilitating knowledge transfer among developers and data scientists for new projects.

TEMBICI | Aug/2019 – Mar/2020

DevOps Engineer

- Management of infrastructure implementation and decision-making across Latin America, changing from daily system interruptions to a robust and reliable infrastructure.
- Spearheaded DevOps culture, mentoring teams in best practices, focused on quality and scalability, transforming daily system interruptions into robust and reliable infrastructure.
- Enhanced the git workflow to bring security and agility, guiding the development team with code quality.
- Organized AWS and GCP accounts for each team, providing scalable services tailored to their projects. Served as JIRA Administrator, creating workflows and linking dashboards between teams.

Main Tools: Python, Django, Flask, FastAPI, Pytest, AWS, DynamoDB, S3, Docker, GitLab, Docker, Terraform, GCP, Postgres.

Main Achievements:

- 68% in monthly savings for LATAM's Infrastructure, by reducing virtual machines and databases, optimizing docker images, pool connections, and load balancers.
- Improved test execution time by 70% with pytest, mocks, and parallelization. Handled CI with CircleCI and CD with Jenkins, taking charge of company-wide deployments.

Education & Certificate

Bachelor's degree in Information System – University of São Paulo (USP)

Certificate of DevOps Professional | EXIN

Languages

English, fluent
Spanish, intermediate

Portuguese, native
Japanese, basic