

SANTIAGO KLEIN

Evanston, Illinois

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github.com/sankle sankle.github.io

Education

Northwestern University

Sep. 2024 – Sep. 2029

Computer Science PhD Student

Evanston, Illinois

- Advised by Prof. Fabián E. Bustamante
- Large-scale, longitudinal experimental research on networks and distributed systems. [Lab's website.](#)

Buenos Aires University, Faculty of Engineering (UBA)

Apr. 2017 – Oct. 2023

Computer Engineering (BS + MS in Distributed Systems combined degree)

Buenos Aires, Argentina

- Graduated with honor diploma. GPA: 8.59/10

Experience

MuleSoft, a Salesforce Company

Apr. 2021 – Aug. 2024

Software Engineering MTS (previously AMTS & Intern)

Buenos Aires, Argentina

- Full Stack Software Engineer in MuleSoft Anypoint Platform's API Manager Team. Developing microservices that handle 1M req/s. Contributed to the control plane adaptation to manage the new [Flex Gateway](#), and the ground-zero deployment of all team managed services in Hyperforce, an AWS-based Salesforce's abstraction
- Technologies: JavaScript (React/Node), Java, PostgreSQL, AWS, Docker, Kubernetes, Istio, Redis, Jenkins, Spinnaker.

University of Buenos Aires

Jul. 2021 – Jul. 2022

Teaching Assistant

Buenos Aires, Argentina

- (75.41) Algorithms and Programming II Course. Topics: ADTs, Algorithm's complexity, Graphs. [Website.](#)
- (75.08) Operating Systems Course. Topics: Kernel, processes, scheduling, memory management, advanced concurrency, file systems. [Website.](#)

Projects

SPLASH | <https://splash.aqualab.cs.northwestern.edu>

Oct. 2023

- Platform to analyze Internet quality metrics on the occurrence of different types of Internet failures, specially focusing on the ones that affect the submarine cable infrastructure. Automated the data ingestion and visualization from diverse data sources.
- Technologies: Python, Docker, Dagster, Grafana, InfluxDB, PostgreSQL.

FIUBOOK | https://github.com/sankle/fiubook_webapp

Feb. 2023

- University booking system that allows service offerers to publish their services (such as books, classrooms, projectors, etc.) and requestors to book those services.
- Technologies: JavaScript (React/Node), Docker, Kubernetes, GraphQL.

Seedy FIUBA | <https://seedyfiuba-g8.github.io>

Jul. 2021

- Crowdfunding application based on the blockchain.
- Technologies: JavaScript (React/React Native/Node), Python, Solidity, Docker, Heroku, MongoDB, PostgreSQL.

Argentum Online | <https://github.com/sankle/argentum>

Jul. 2020

- Remake of MMORPG video game for Debian based systems.
- Technologies: C++, SDL2.

Technical Skills

Languages: JavaScript, C/C++, Rust, Python, Java, Clojure, HTML/CSS, SQL

Technologies/Frameworks: React, React Native, Angular, Linux, Kafka, RabbitMQ, InfluxDB, PostgreSQL, MongoDB, Redis, Terraform, Jenkins, Spinnaker, Git, AWS, Big Query, Grafana

Languages

Spanish: Native

English: C2 (Cambridge Certificate of Proficiency in English)

French: B1 (DELF)