



Fellipe Souto Sampaio

COMPUTER SCIENCE PROFESSOR · SENIOR SOFTWARE ENGINEER CONSULTANT

São Paulo - São Paulo - Brazil

☎ (+55) 11-94781-8999 | ✉ f.souto@outlook.com | 🌐 https://linktr.ee/prof_fellipesouto | 📷 flsouto | 🌐 flsouto

"We Are A Way For The Cosmos To Know Itself."

Education

Instituto de Matemática e Estatística - Universidade de São Paulo (IME-USP)

São Paulo/SP, Brazil

B.S. IN COMPUTER SCIENCE

Jan. 2013 - Dez. 2018

- I contributed to the Mezero project at CCSL as a software engineer intern, enhancing a social network platform for code quality assessment.
- I have completed a research project on the actor model, which focused on concurrent programming and resource sharing.
- I led technological initiatives as the Technology Director at IME Jr., managing crowdfunding for academic and extension groups.
- I guided undergraduate and graduate students on XP practices as an Agile Coach in the Extreme-Programming Laboratory Course.

Instituto de Computação - Universidade Estadual de Campinas (IC-UNICAMP)

Campinas/SP, Brazil

ADVANCED TRAINING IN COMPLEX DATA MINING

Jan. 2021 - Aug. 2021

- Acquired extensive hands-on experience in R and Python, applying deep learning, artificial intelligence, and both classic and cutting-edge machine learning techniques to complex data mining challenges.
- Applied deep learning and computer vision techniques in the Kaggle Contest: CV Cataract Detection, achieving results that outperformed specialist-level accuracy with high confidence.

Escola Politécnica - Universidade de São Paulo (Poli-USP)

São Paulo, Brazil

MBA IN SOFTWARE TECHNOLOGY

Jan. 2021 - Sep. 2022

- Completed coursework in advanced software engineering topics, including software architecture, agile methodologies, and project management, as part of the MBA program at Escola Politécnica of USP.
- Gained in-depth knowledge in software quality assurance, systems integration, and cloud computing.
- Conducted research on the software delivery lifecycle, focusing on Continuous Integration, Deployment, Delivery, and Monitoring.
- Dropped out before completing the final thesis, having successfully completed all core courses.

Instituto de Matemática e Estatística - Universidade de São Paulo (IME-USP)

São Paulo/SP, Brazil

M.S. IN COMPUTER SCIENCE

Aug. 2024 - Dez. 2028

- Current Studies: Actively engaged in courses like HCI Principles, where I explore the intricacies of Human-Computer Interaction, and Model Based Testing, focusing on leveraging formal methods to enhance software reliability and testing efficiency.
- Research Interests: Passionately pursuing research in Haskell, Ada, and Formal Verification, with a keen interest in Compilers Design and Optimization, Theory of Computing, and Functional Programming. My work delves into Logic, Lambda Calculus, and Artificial Intelligence, with a strong emphasis on applying these principles to optimize programming languages and complex software systems.

Skills

System Admin/DevOps

Linux, AWS, GCP, Azure, Docker, Kubernetes, CI/CD, Terraform, Gradle, Git

Back-end

API Design, Open API, Kafka, RabbitMQ, Akka, Spring Framework, Ruby on Rails, Django, Serveless, FastAPI

Front-end

HTML5, CSS3, Typescript, AngularJS, ReactJS, Optimization, SEO

Programming

Java, Python, Javascript, Haskell, Rlang, Golang, Scala, Ruby, Perl, Bash, C, C++, C#, Ada, Lua, Assembly

Languages

Portuguese, English, Spanish, Japanese, French, German

Soft-skills

Acting and Dancing, Oratory and Public Speaking, Teaching, Coaching, Writing, Drawing, Clowning

Experience

FIAP

São Paulo, Brazil

PROFESSOR OF COMPUTER SCIENCE

September 2024 - Present

- Teaching undergraduate courses, with a focus on Domain Driven Design using Java.

Binary Forge IT

São Paulo, Brazil

CHIEF SEVERINO DA OFICINA (CSO) / PROFESSOR OF COMPUTER SCIENCE

August 2024 - Present

- Founded and led Binary Forge IT, focusing on consulting and educational projects in programming and software development.
- Specialized in teaching and consulting on artificial intelligence, machine learning, data science, and DevOps.
- Delivered training on industry-standard practices like Test-Driven Development (TDD), Behavior-Driven Development (BDD), and Clean Architecture.
- Developed and conducted courses on multiple programming languages, including Java, Python, R, and JavaScript.
- Utilized modern frameworks like Spring, Docker, and Kubernetes for teaching and consulting.

Campspot

Grand Rapids, Michigan, United States

SENIOR SOFTWARE ENGINEERING CONSULTANT

June 2023 - December 2023

- Led the development and implementation of software systems focused on campground administration, reservation management, and third-party integrations.
- Improved customer experience and operational efficiency through user-centric software solutions.
- Collaborated with cross-functional teams for seamless deployment and system optimization.

Zup Innovation

Campinas, São Paulo, Brazil

TECHNICAL LEAD

April 2023 - June 2023

- Led technical direction for a Bank as a Service (BaaS) platform, focusing on financial product integration and optimization.
- Conducted regular team meetings to foster a supportive and productive team environment.
- Developed and maintained technical documentation and aligned technical solutions with business goals.

Zup Innovation

Campinas, São Paulo, Brazil

STAFF SOFTWARE ENGINEER

August 2022 - May 2023

- Benchmarked Bank as a Service (BaaS) offerings against industry standards to improve financial products.
- Collaborated with solution architects and cloud engineers to scale and secure public cloud infrastructure.
- Ensured the platform's sandbox environment met diverse developer client needs.

Vinta Software

Brazil

SENIOR SOFTWARE DEVELOPER - PLATFORM ENGINEER

February 2022 - August 2022

- Led platform improvements, infrastructure enhancement, and process optimization for a docketing platform used by thousands of law firms.
- Authored system documentation and RFCs, and mentored young developers.
- Introduced innovative microservices management techniques using Azure public cloud services.

Zé Delivery

São Paulo, São Paulo, Brazil

SOFTWARE ENGINEER

September 2020 - February 2022

- Co-founded the logistics optimization team, using AWS Lambda to streamline delivery logistics.
- Implemented data-driven and event-driven systems that optimized delivery groupings.
- Integrated machine learning APIs into delivery operations to improve efficiency.

Grupo Alura

São Paulo, Brazil

INDEPENDENT TECH INSTRUCTOR

August 2020 - February 2022

- Developed technical teaching materials, scripts, and video lectures for Java Unit Testing courses.
- Continuously updated course materials and provided consultancy for the development of new technology courses.

Grupo Alura

São Paulo, Brazil

TECHNICAL INSTRUCTOR AND JAVA SPECIALIST

March 2019 - September 2020

- Led Java programming courses on backend development, security, and DevOps.
- Created and continuously updated teaching materials for in-company and online courses.

Grupo Alura

São Paulo, Brazil

FULL STACK DEVELOPER

November 2017 - March 2019

- Developed and enhanced online learning platforms and internal systems for payments, analytics, and marketing.
- Managed the full lifecycle of software development using Java, Spring Framework, Ruby on Rails, and AWS.

Avenue Code

São Paulo, Brazil

SOFTWARE ENGINEER TRAINEE

July 2016 - November 2017

- Rotated through key areas: Quality Assurance, Ruby on Rails development, Java development, and Vanilla Frontend development.
- Led public lectures and coding events to foster collaboration and knowledge sharing.

Medicinia

São Paulo, Brazil

SOFTWARE ENGINEER INTERN

December 2014 - July 2016

- Contributed to software development projects, client requirement discussions, and project management using Trello and Agile methodologies.
- Developed software using Ruby on Rails, Java, and JavaScript frameworks.

Nextar

São Paulo, Brazil

SOFTWARE ENGINEER INTERN

June 2014 - December 2014

- Developed real-time solutions for small business data integration and payment functionalities using Ruby on Rails, MySQL, and RESTful APIs.

FLOSS Competence Center of the University of São Paulo

São Paulo, Brazil

SOFTWARE ENGINEER INTERN

October 2013 - June 2014

- Contributed to open-source projects, using Test-Driven Development (TDD) and Behavior-Driven Development (BDD).
- Worked on Mezuro, a web platform designed to collect, analyze, and interpret source code metrics.